

The Most Intelligent Java IDE

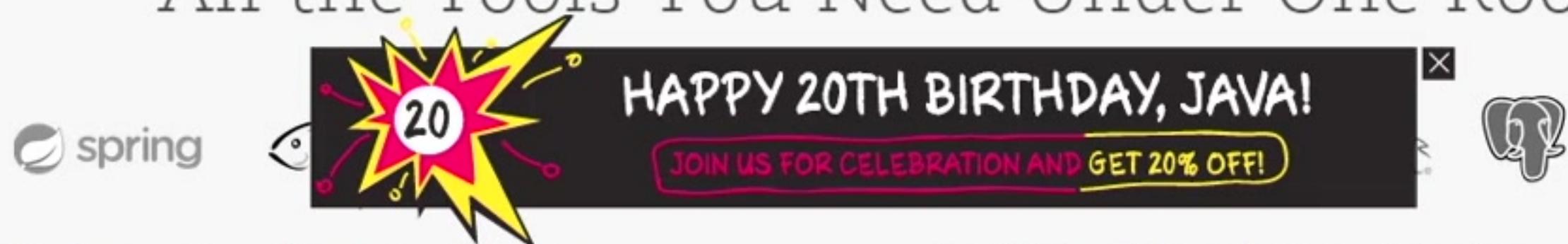
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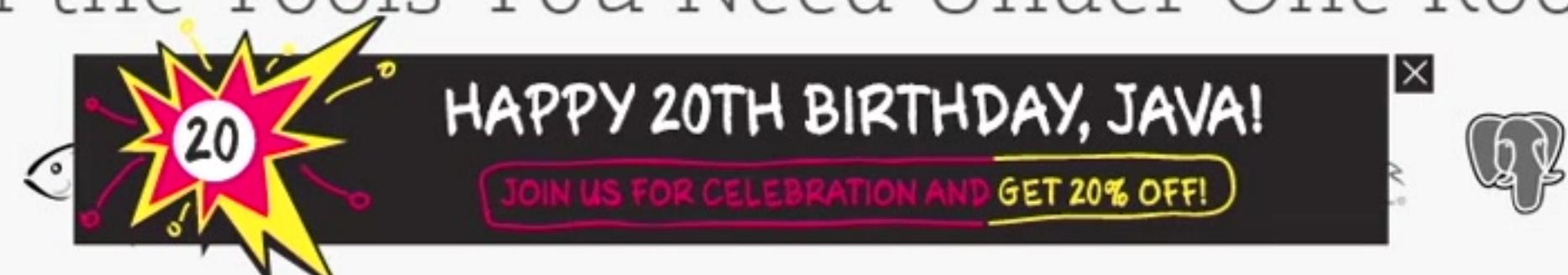
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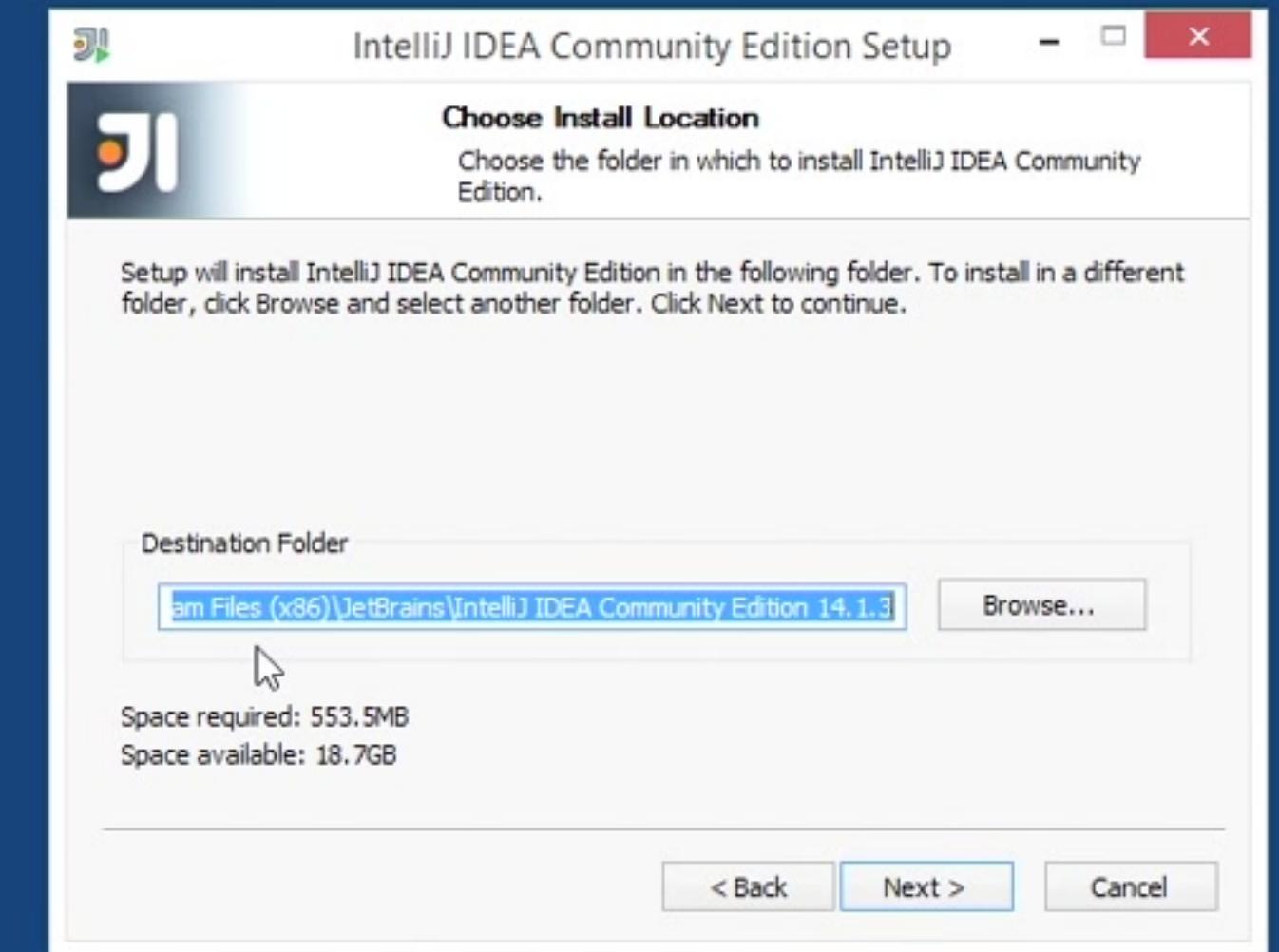
Recycle Bin



Exercise Files



IntelliJ-14.1.3





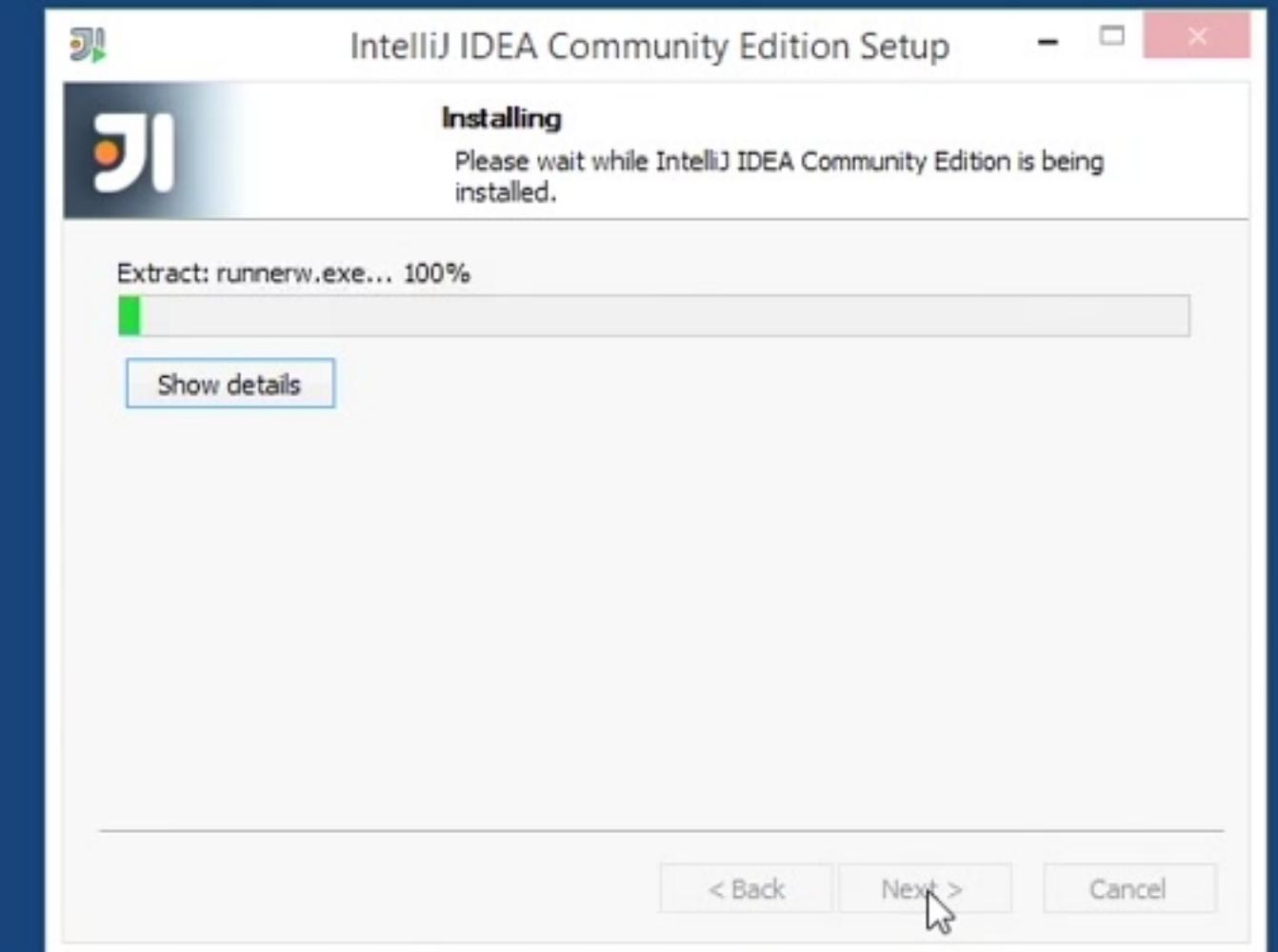
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Exercise Files



IntelliJ-14.1.3

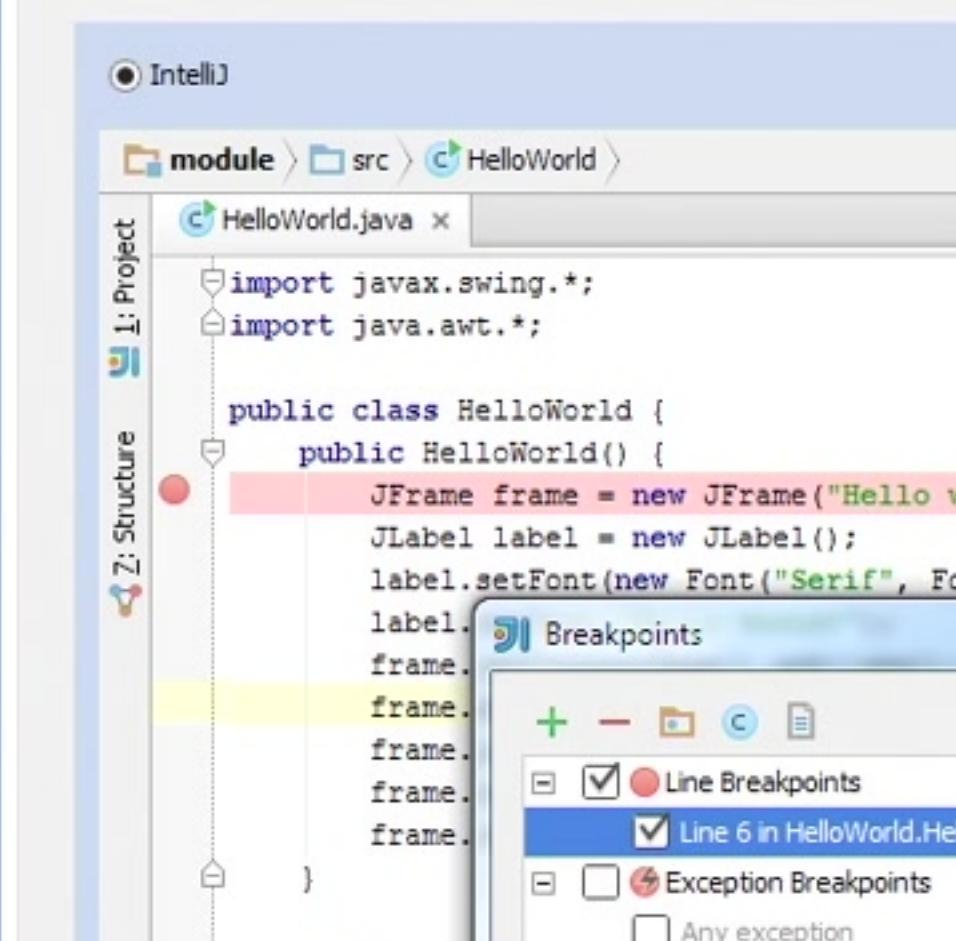


Customize IDEA X

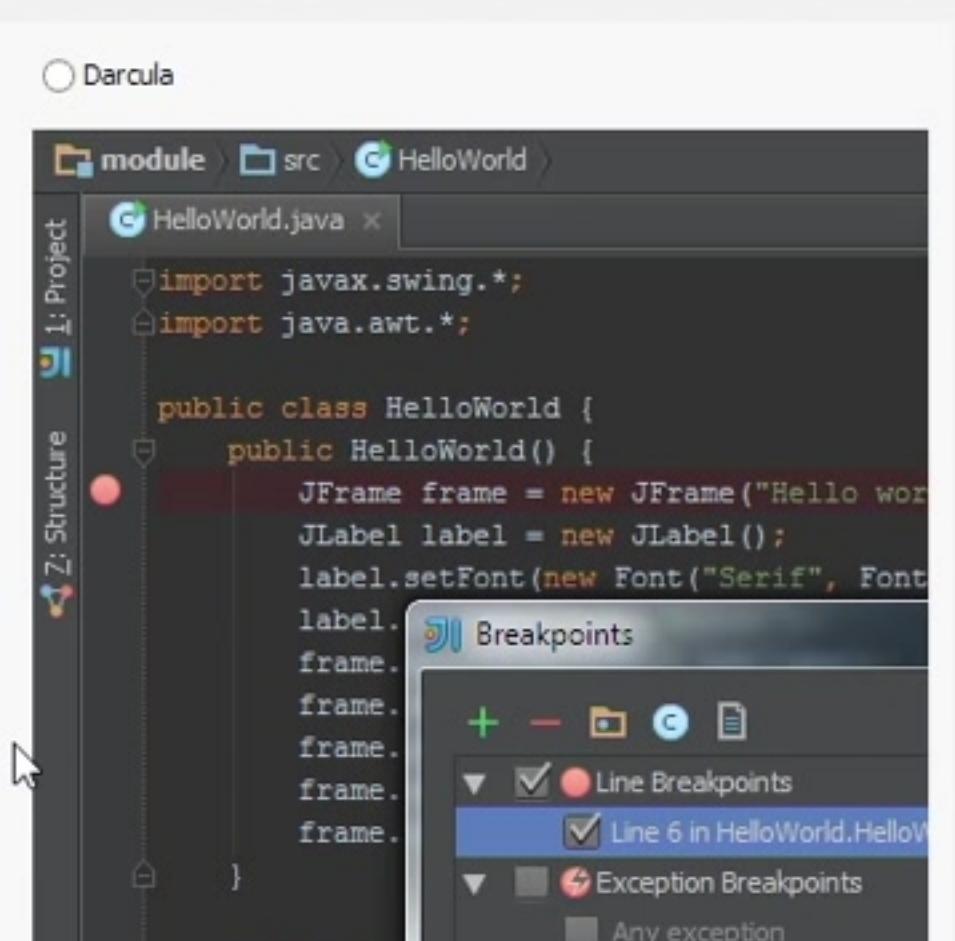
UI Themes → Default plugins → Featured plugins

Set UI theme

IntelliJ



Darcula



UI theme can be changed later in [Settings | Appearance & Behavior | Appearance](#)

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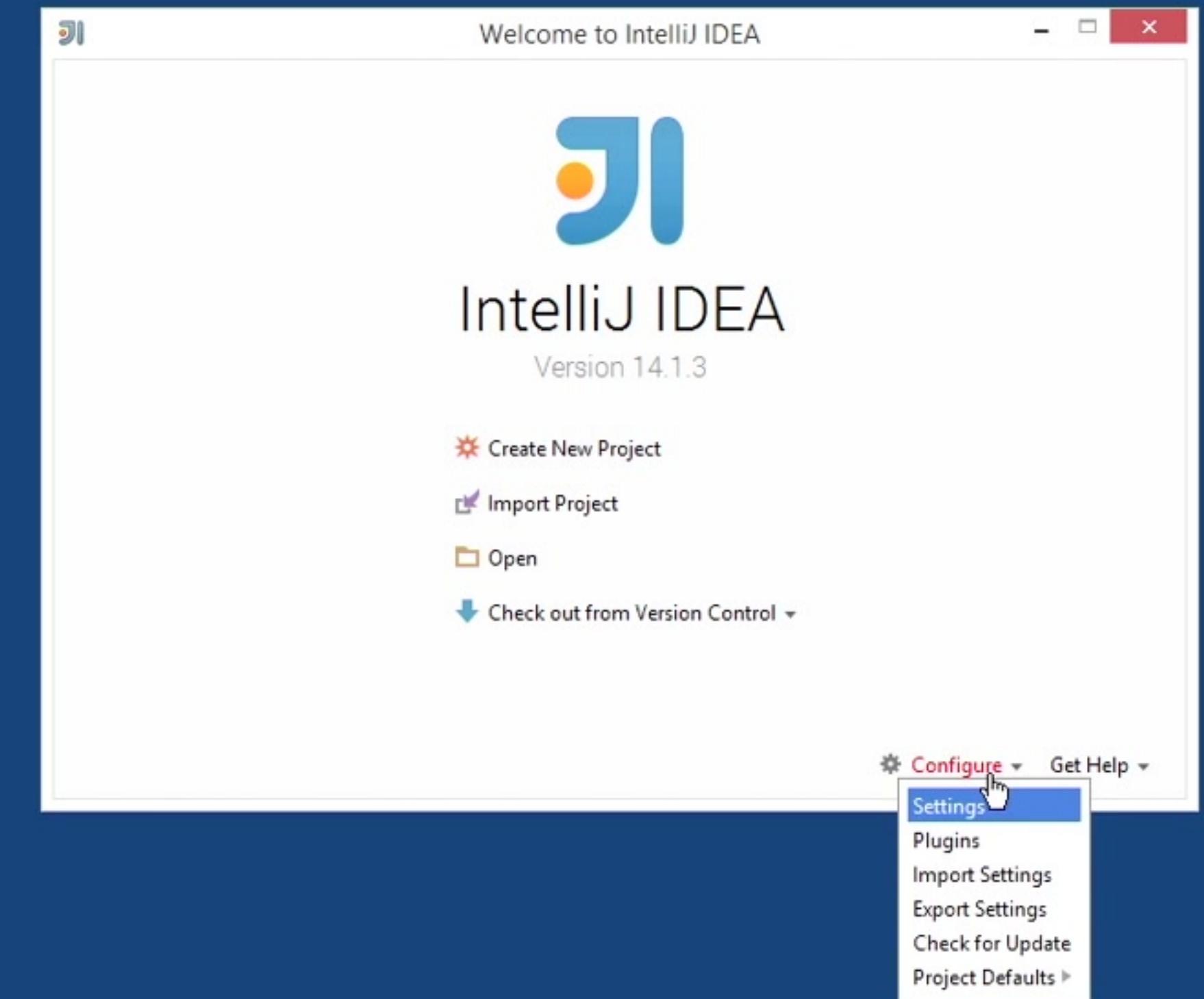
Recycle Bin

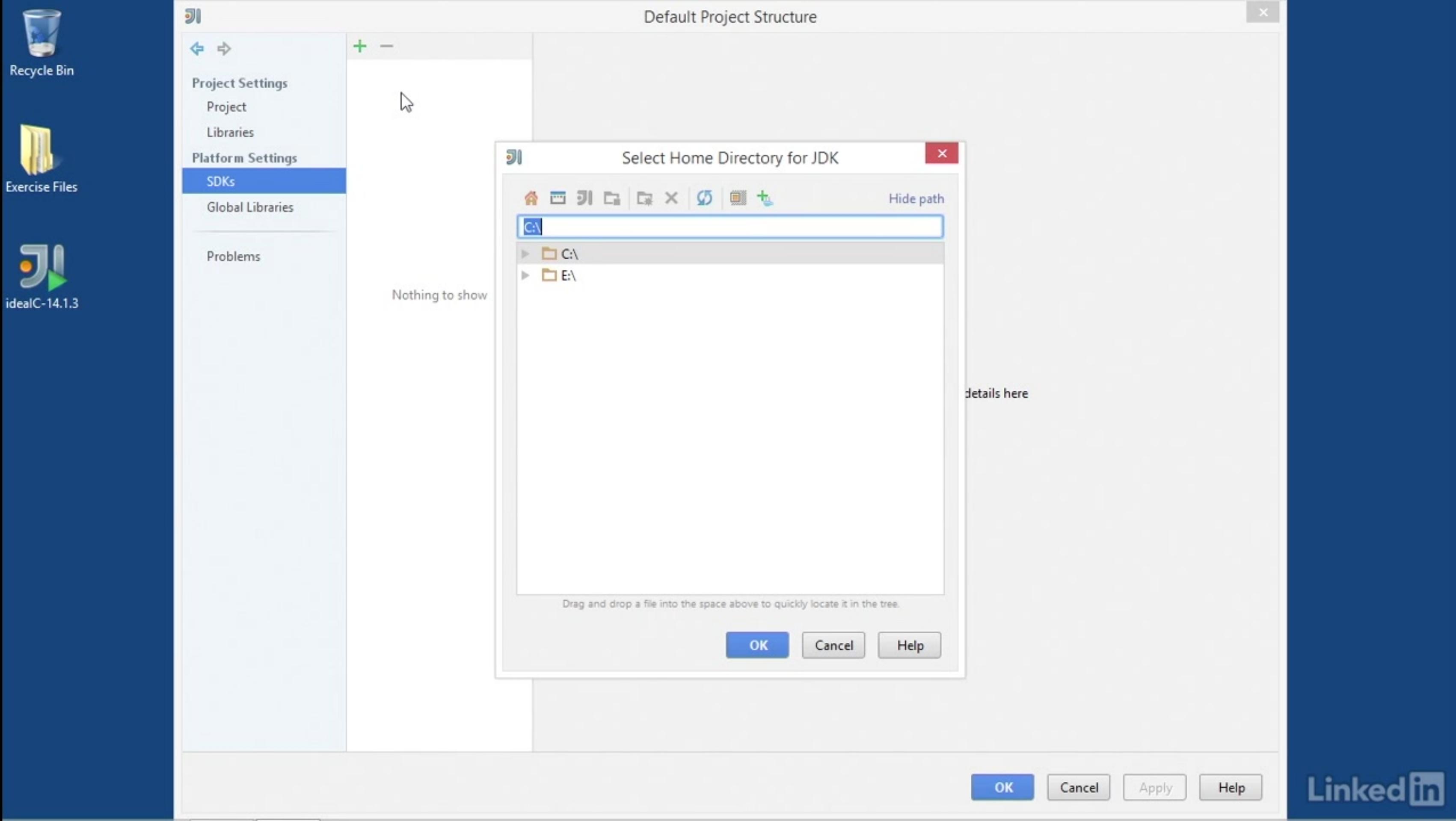


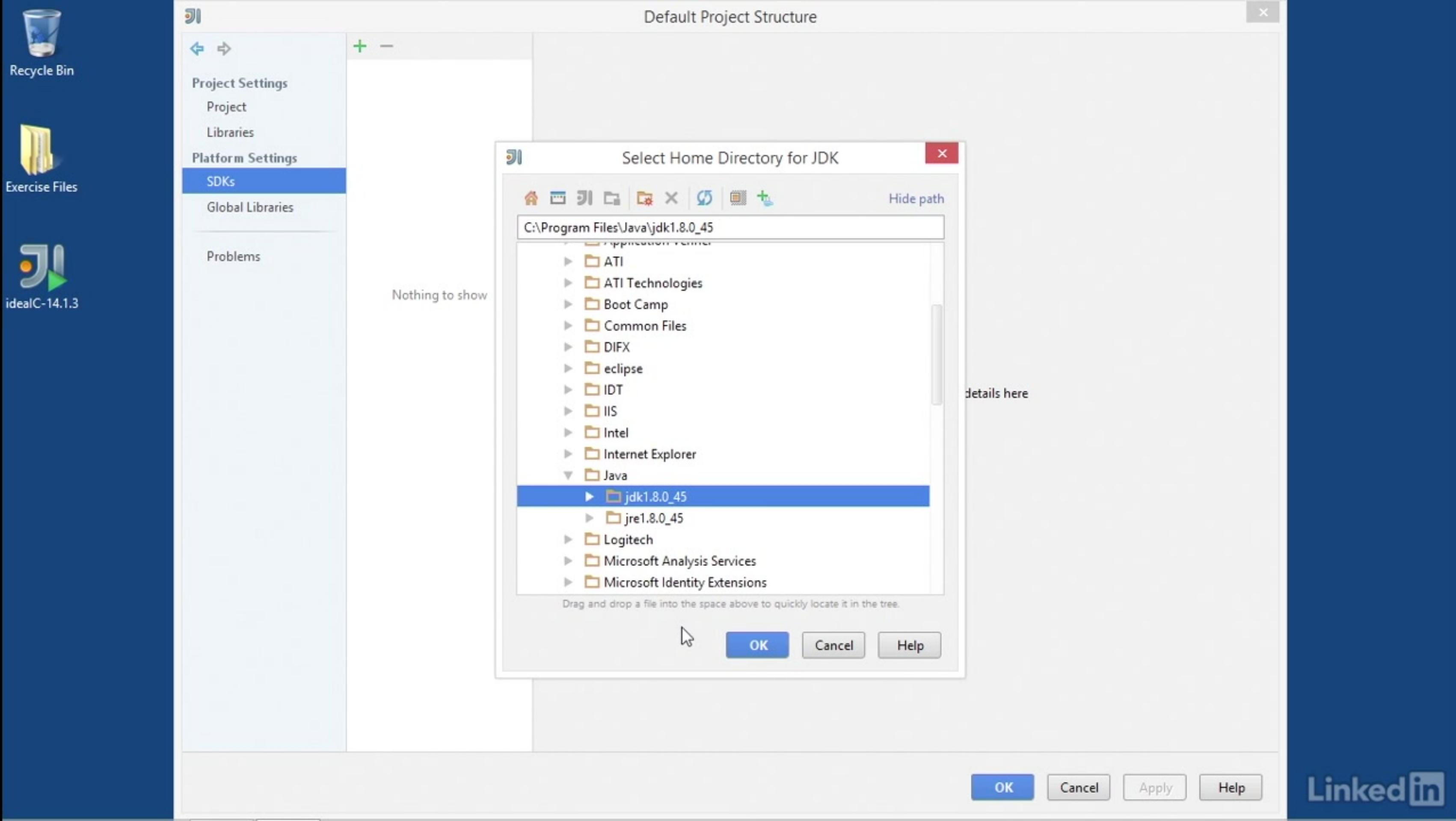
Exercise Files



IntelliJ IDEA







Default Project Structure

Project Settings

Project

Libraries

Platform Settings

SDKs

Global Libraries

Problems

Name: 1.8

JDK home path: C:\Program Files\Java\jdk1.8.0_45

Classpath Sourcepath Annotations Documentation Paths

- C:\Program Files\Java\jdk1.8.0_45\jre\lib\charsets.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\deploy.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\javaws.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\jce.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\jfr.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\jfxswt.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\jsse.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\management-agent.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\plugin.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\resources.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\rt.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\access-bridge-64.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\cldrdata.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\dnsns.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\jaccess.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\jfxrt.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\locatedata.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\nashorn.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunec.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunjce_provider.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunmscapi.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunpkcs11.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\zipfs.jar

OK Cancel Apply Help



Recycle Bin



Exercise Files



IntelliJ IDEA



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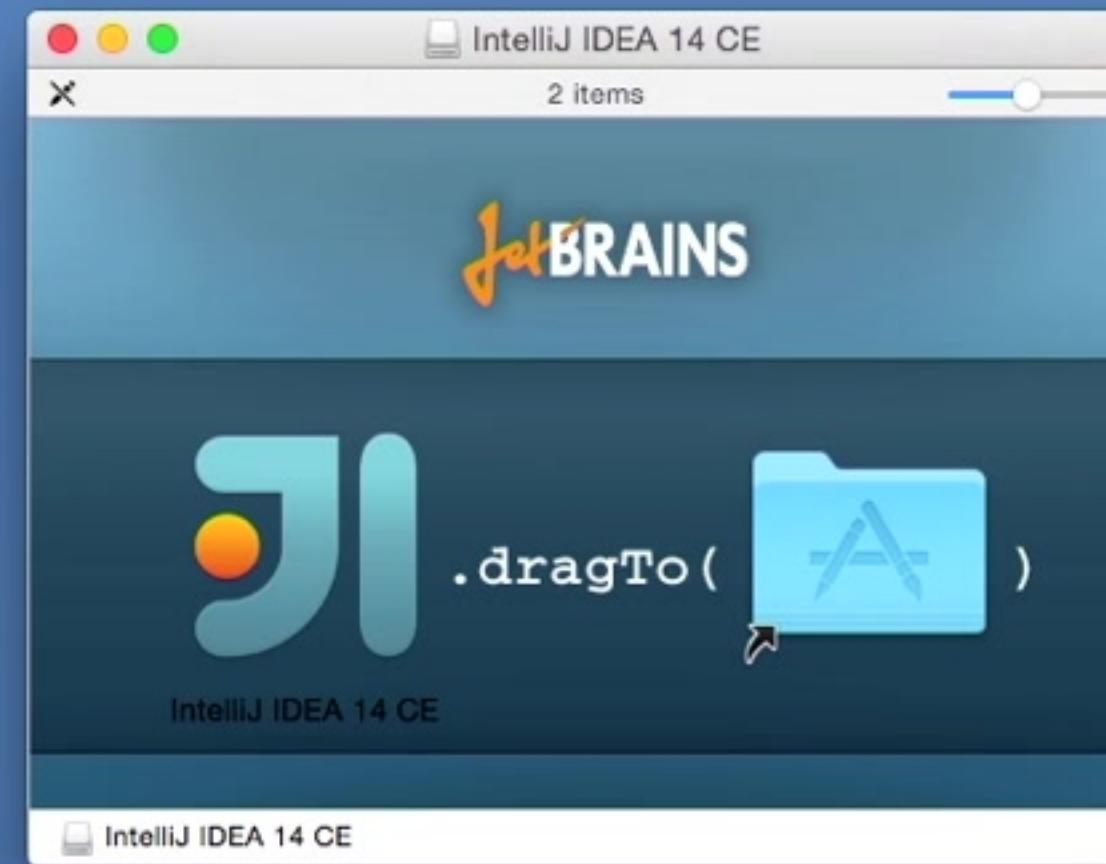
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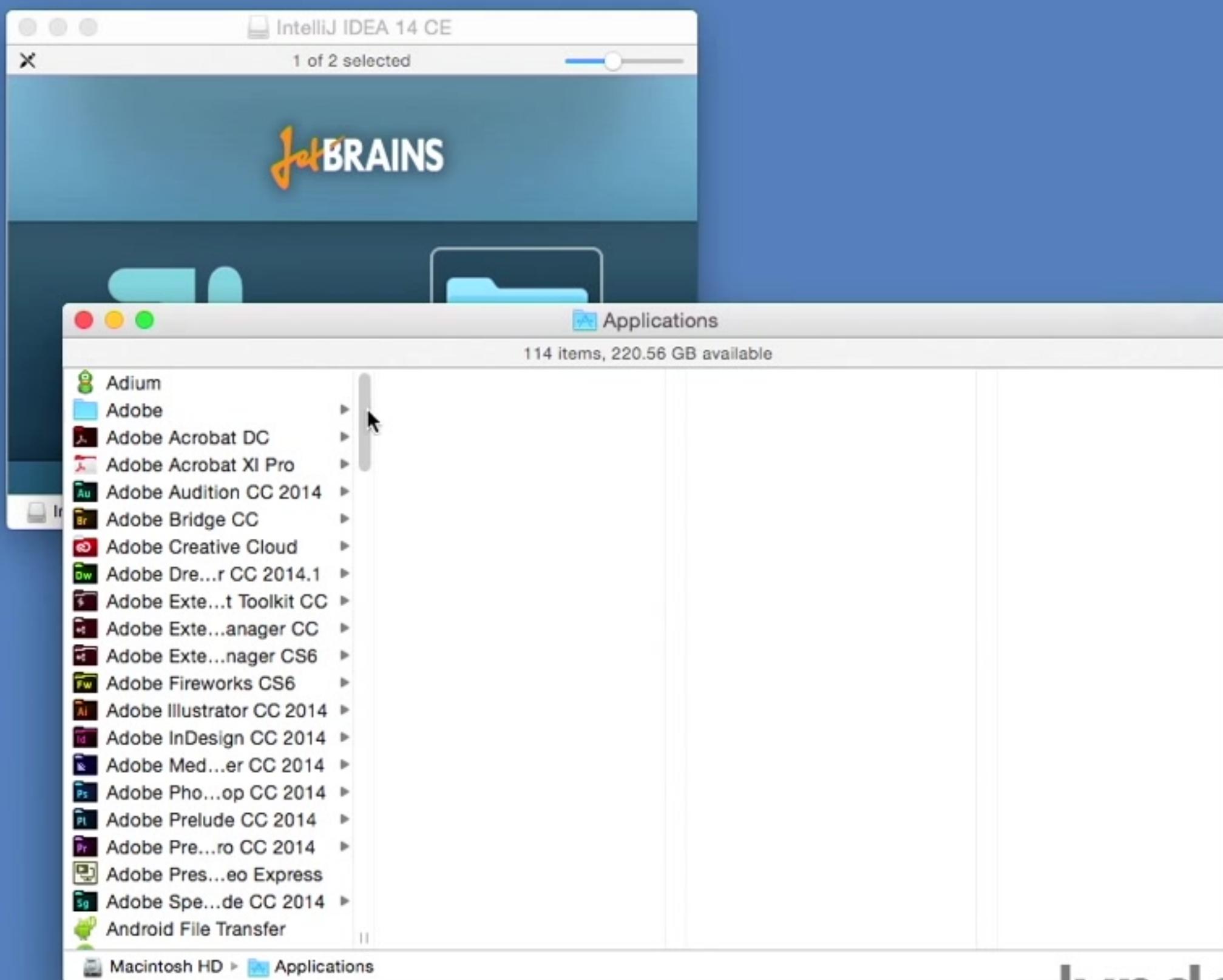
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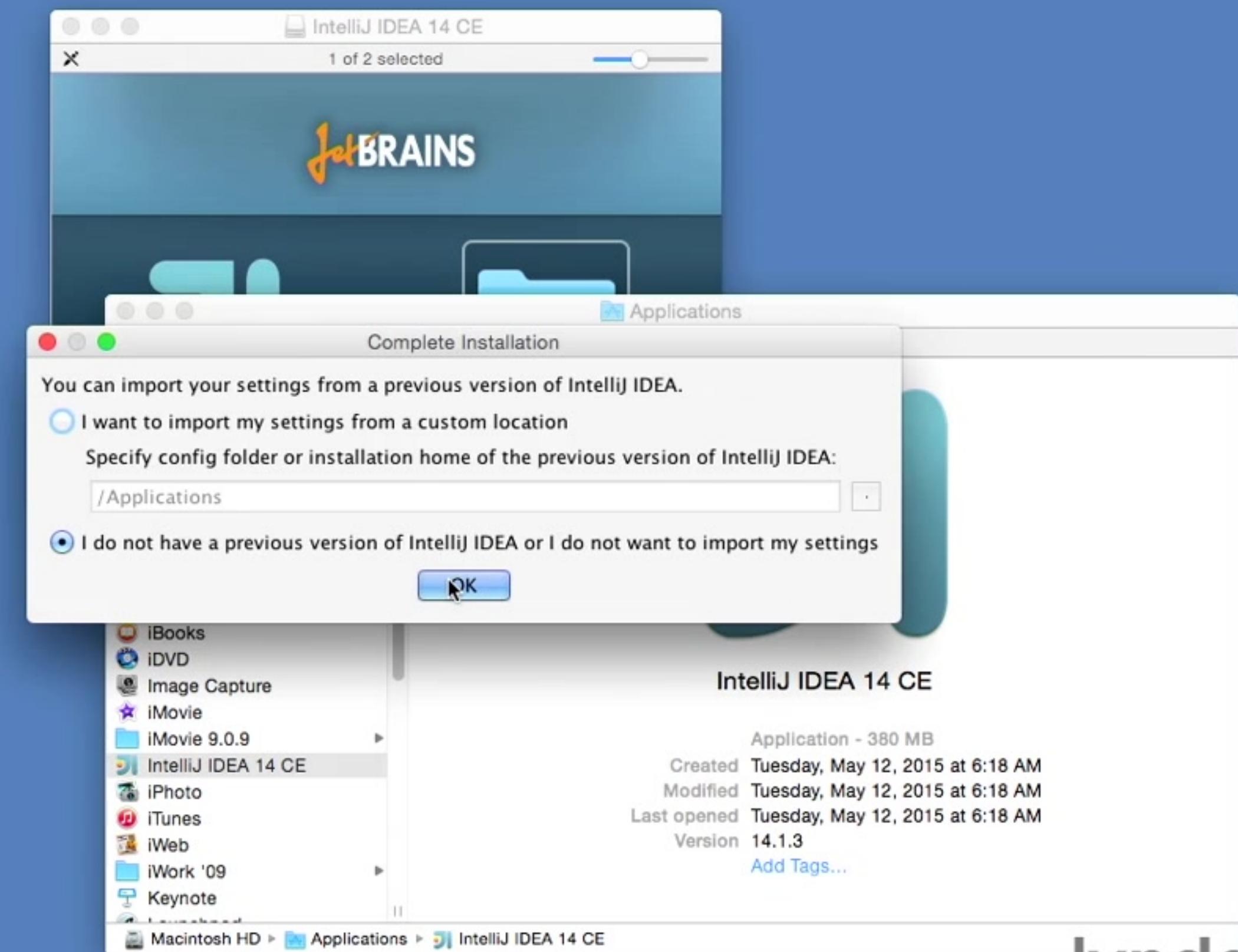




Exercise Files



idealC-14.1.3.dmg





Created Tuesday, May 12, 2015 at 6:18 AM
Modified Tuesday, May 12, 2015 at 6:18 AM
Last opened Tuesday, May 12, 2015 at 6:18 AM
Version 14.1.3
[Add Tags...](#)



Default Project Structure

Project SDK:
This SDK is default for all project modules.
A module specific SDK can be configured for each of the modules as required.

 <No SDK>

Project language level:
This language level is default for all project modules.
A module specific language level can be configured for each of the modules as required.

6 - @Override in interfaces

Project compiler output:
This path is used to store all project compilation results.
A directory corresponding to each module is created under this path.
This directory contains two subdirectories: Production and Test for production code and test sources, respectively.
A module specific compiler output path can be configured for each of the modules as required.

...

?



Exercise Files



idealC-14.1.3.dmg

Default Project Structure

Project Settings

- Project
- Libraries
- Platform Settings
- SDKs
- Global Libraries
- Problems

Favorites

- All My Files
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- Dropbox
- Courses
- Applications
- Desktop
- Documents
- Downloads
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- BOOTCAMP
- IntelliJ IDEA 14 CE

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Library

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Software

System

Users

ColorSync

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DirectoryServices

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DropboxHelperTools

Extensions

Filesystems

Fonts

Frameworks

Google

Graphics

Image Capture

Input Methods

Internet Plug-Ins

iTunes

Java

New Folder

Cancel

Choose

?

Cancel

Apply

OK

Exercise Files

idealC-14.1.3.dmg

Default Project Structure

Project Settings

Project Libraries Platform Settings **SDKs** Global Libraries Problems

+ - 1.8

Name: 1.8

JDK home path: /Library/Java/JavaVirtualMachines/jdk1.8.0_45.jdk/Contents/Home

Classpath Sourcepath Annotations Documentation Paths

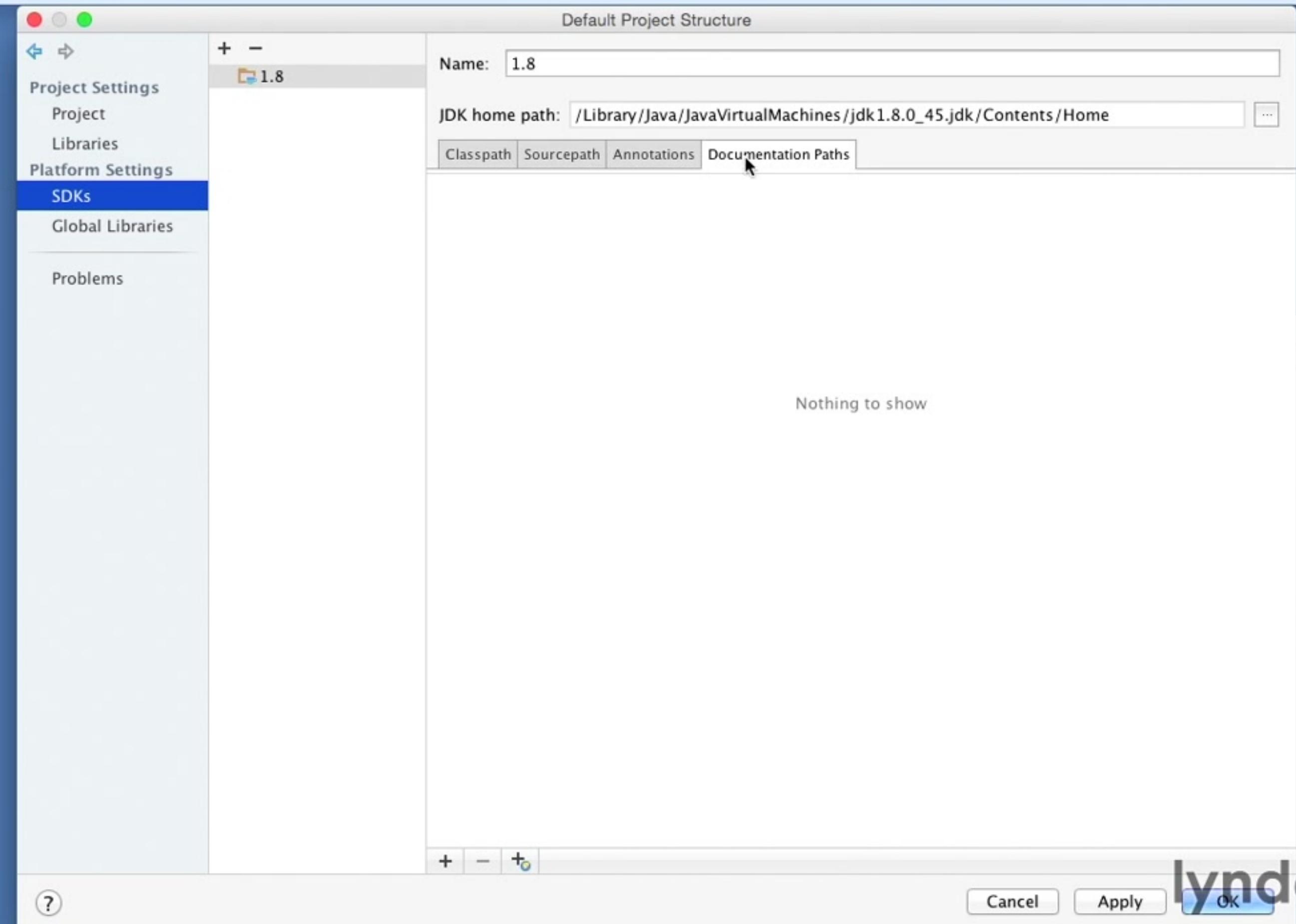
Nothing to show

?

Cancel Apply OK

Exercise Files

idealC-14.1.3.dmg



Default Project Structure

Project SDK:
This SDK is default for all project modules.
A module specific SDK can be configured for each of the modules as required.

SDK default (8 – Lambdas, type annotations etc.) **Edit**

- 1.3 – Plain old Java
- 1.4 – 'assert' keyword
- 5.0 – 'enum' keyword, generics, autoboxing etc.
- 6 – @Override in interfaces
- 7 – Diamonds, ARM, multi-catch etc.
- 8 – Lambdas, type annotations etc.**
- 9 – Jigsaw project etc.

This directory contains two subdirectories: Production and Test for production code and test sources, respectively.
A module specific compiler output path can be configured for each of the modules as required.

...

?

Cancel Apply OK

Exercise Files

idealC-14.1.3.dmp

g

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A free Java Development Environment designed for beginners, used by millions worldwide. [Find out more...](#)

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— James Gosling, creator of Java.



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— James Gosling, creator of Java.

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```
/**  
 * Add a student to this LabClass.  
 */  
public void enrollStudent(Student newStudent)  
{  
    if(students.size() == capacity) {  
        System.out.println("The class is full.");  
    }  
    else {  
        students.add(newStudent);  
    }  
}
```



Supported by



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Version 3.1.5, released 29 March 2015 ([what's new](#))

Windows





Mac OS X



10.7[Lion].3 and newer:

[BlueJ Installer](#)

(includes Oracle JDK)

OR

10.7[Lion].2 and older:

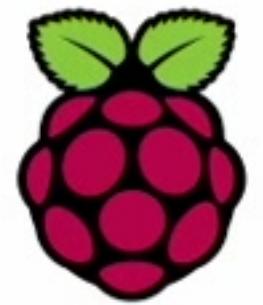
[BlueJ Installer](#)

(uses Apple JDK)

Ubuntu/Debian Linux

[BlueJ Installer](#)

Raspian Linux

[BlueJ Installer](#)See [this page](#) for information about using BlueJ on the Raspberry Pi.

Windows



[BlueJ Combined Installer](#)
(includes JDK)

OR

1. [Oracle JDK](#)
2. [BlueJ Installer](#)

Mac OS X



10.7[Lion].3 and newer:
[BlueJ Installer](#)
(includes Oracle JDK)

OR

10.7[Lion].2 and older:
[BlueJ Installer](#)
(uses Apple JDK)



Ubuntu/Debian Linux



[BlueJ Installer](#)

Raspian Linux



Project Edit Tools View Help

New Project...

Open Project... Ctrl+O

Open Recent

Open Non BlueJ...

Close Ctrl+W

Save Ctrl+S

Save As...

Import...

Create Jar File...

Page Setup... Ctrl+Shift+P

Print... Ctrl+P

Quit Ctrl+Q

Use the Project menu to create or open a project

BlueJ 3.1.5

BlueJ: BlueJProject

Main - BlueJProject

Project Edit Tools View Help

New Class...
--->
->
Compile



Main







public |

```
public class Main
```

```
public class Main {  
}  
^
```

```
public class Main {  
    public  
}
```

```
public class Main {  
    public static  
}
```

File Edit Format View Help

```
public class Main {  
    public static void main()  
}
```

```
public class Main {  
    public static void main(  
}
```

File Edit Format View Help

```
public class Main {  
    public static void main(String}  
}
```

```
public class Main {  
    public static void main(String[] args)  
}
```

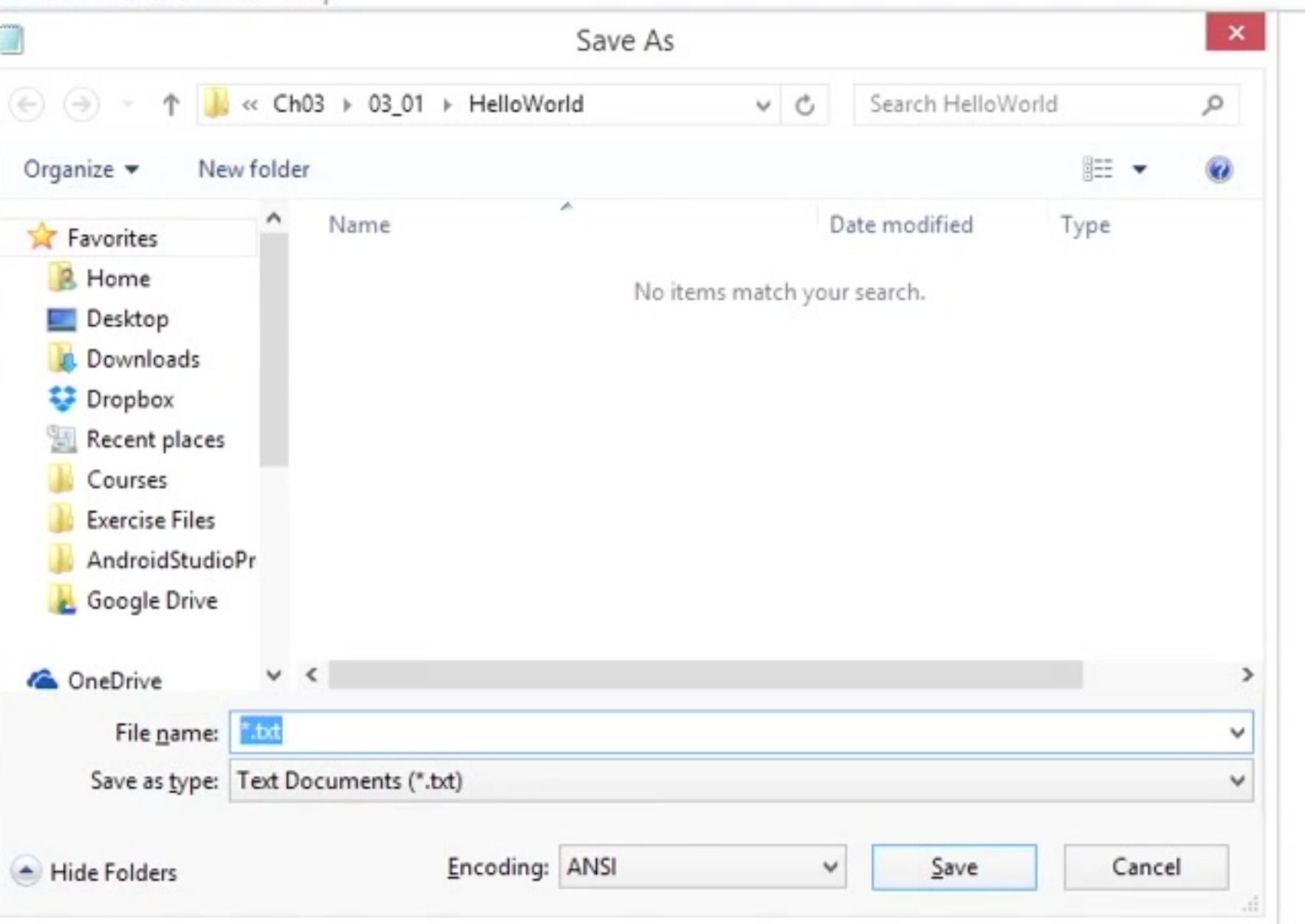
File Edit Format View Help

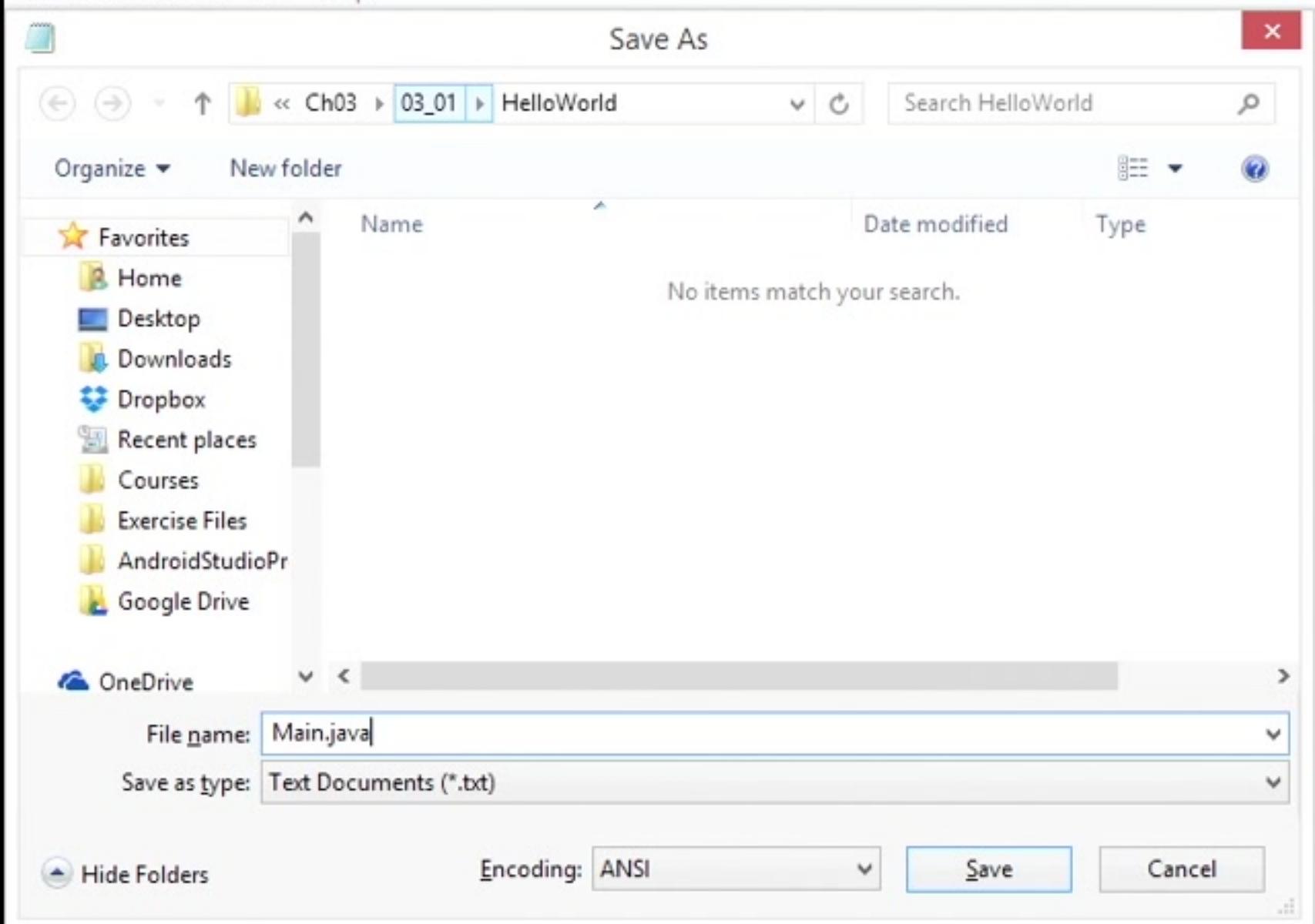
```
public class Main {  
    public static void main(String[] args) {  
    }  
}
```

File Edit Format View Help

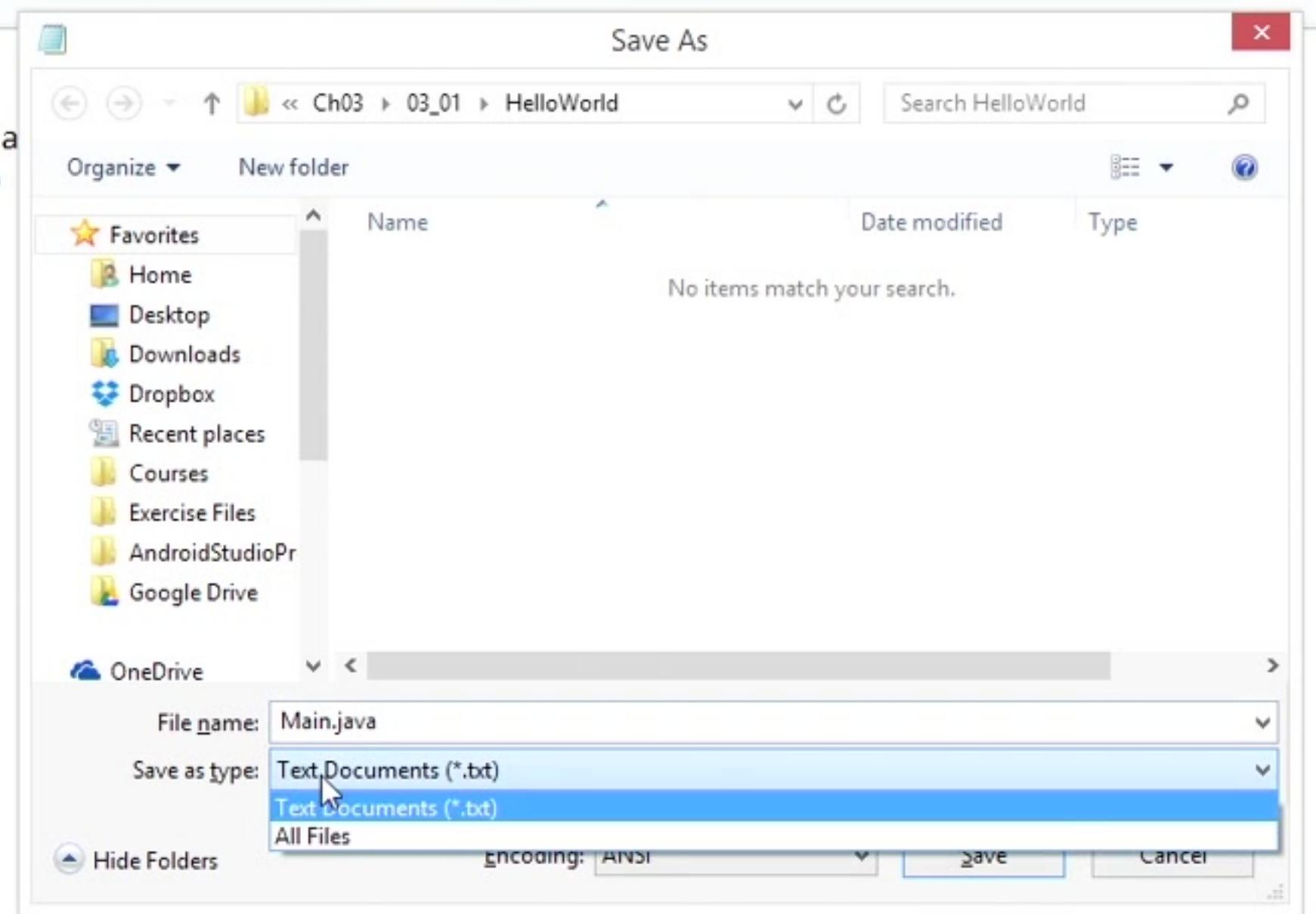
```
public class Main {  
  
    public static void main(String[] args) {  
        System.out.println("}  
    }  
}
```

Save As





```
public class Main {  
    public static void main(String[] a)  
        System.out.println("Hello  
    }  
}
```



File

Command Prompt

Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\David>cd ..

I

File

Command Prompt

Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\David>cd "Desktop\Exercise Files\Ch03\03_01\HelloWorld"

I

File

pu

Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\David>cd "Desktop\Exercise Files\Ch03\03_01\HelloWorld"

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>dir
Volume in drive C is BOOTCAMP
Volume Serial Number is E017-4F3E

Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld

06/02/2015 02:37 PM <DIR>	.
06/02/2015 02:37 PM <DIR>	..
06/02/2015 02:37 PM 117 Main.java	
	1 File(s) 117 bytes
	2 Dir(s) 19,333,337,088 bytes free

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>javac

I

Command Prompt

Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>javac Main.java

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>dir

Volume in drive C is BOOTCA

Volume Serial Number is E017-4F3E

Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld

06/02/2015 02:39 PM <DIR>

06/02/2015 02:39 PM <DIR>

06/02/2015 02:39 PM 418 Main.class
06/02/2015 02:39 PM 418 Main.class

06/02/2015 02:37 PM 117 Main.java

2 File(s) 535 bytes
2 Dir(s) 19,326,963,712 bytes free

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>

Command Prompt

Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>javac Main.java

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>dir

Volume in drive C is BOOTCA

Volume Serial Number is E017-4F3E

Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld

06/02/2015 02:39 PM <DIR>

06/02/2015 02:39 PM <DIR>

06/02/2015 02:39 PM 418 Main.class
06/02/2015 02:39 PM 418 Main.class

06/02/2015 02:37 PM 117 Main.java

2 File(s) 535 bytes
2 Dir(s) 19,326,963,712 bytes free

C:\Users\David\Desktop\Exercise Files\Ch03\03_01\HelloWorld>java Main



Recycle Bin



Exercise Files

Arguments

Arguments				
File	Home	Share	View	?
			Exercise Files > Ch03 > 03_02 > Arguments	Search Arguments
Favorites	Name	Date modified	Type	Size
Home	Main	6/2/2015 2:37 PM	JAVA File	1 KB
Desktop				
Downloads				
Dropbox				
Recent places				
Courses				
Exercise Files				
AndroidStudioProjects				
Google Drive				
OneDrive				
Homegroup				
This PC				
Libraries				
Network				
1 item				





Recycle Bin



Exercise Files

Arguments

File Home Share View

Exercise Files > Ch03 > 03_02 > Arguments

Search Arguments

Name	Date modified	Type	Size
Main	6/2/2015 2:37 PM	JAVA File	1 KB

Favorites

- Home
- Desktop
- Downloads
- Dropbox
- Recent places
- Courses
- Exercise Files
- AndroidStudioProjects
- Google Drive

OneDrive

Homegroup

This PC

Libraries

Network

1 item

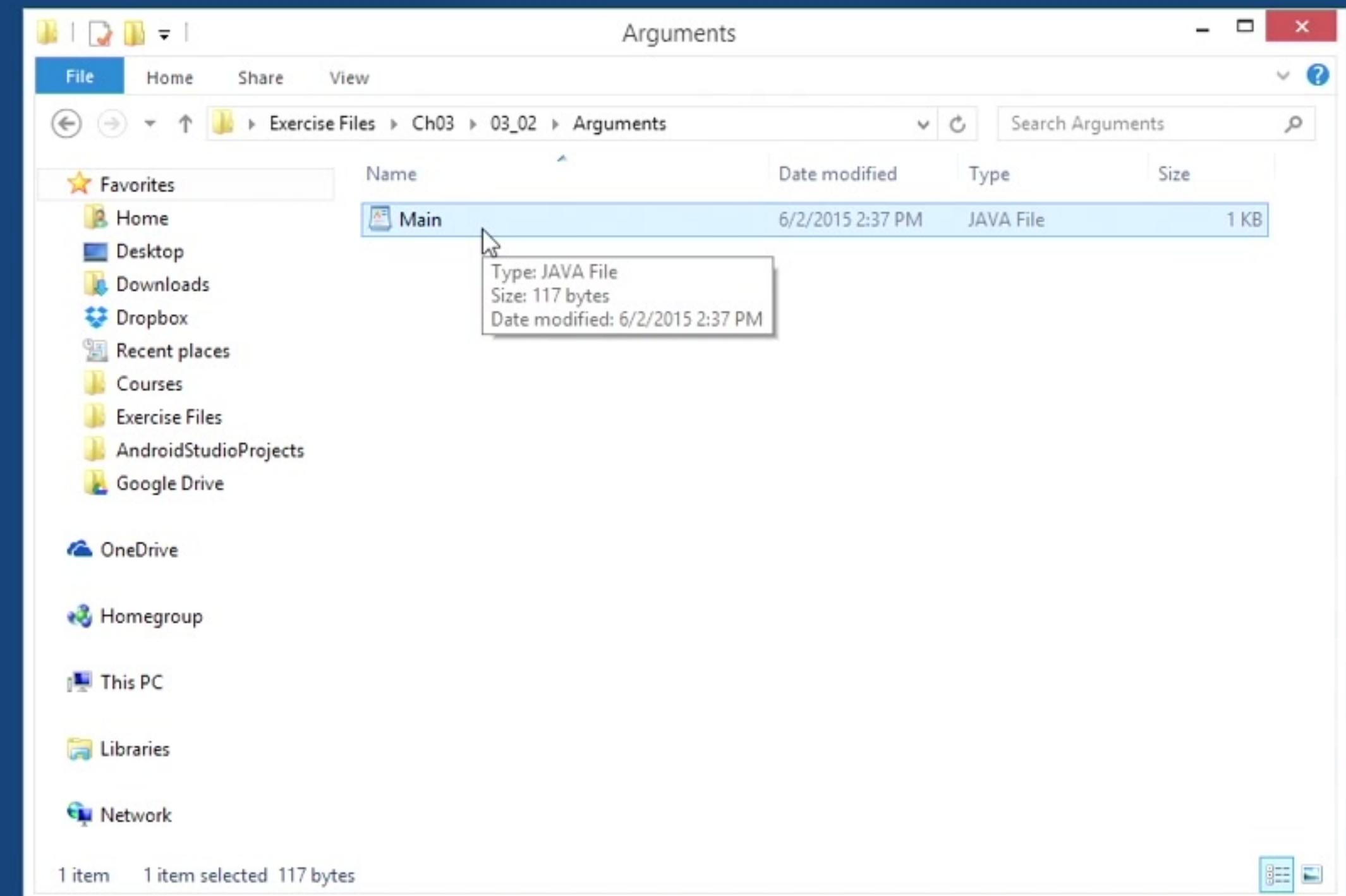




Recycle Bin



Exercise Files



File Edit Format View Help

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
    }  
}
```

File Edit Format View Help

```
public class Main {  
  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
    }  
}
```

File Edit Format View Help

```
public class Main {  
  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
        System.out.println(args[0]);  
    }  
  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello, world!");  
        System.out.println("Hello, world!");  
    }  
}
```

The image shows a Windows desktop environment with three windows open:

- Notepad window:** The title bar says "Main - Notepad". The content is a Java code snippet for a "Main" class with a "main" method that prints "Hello, world!" twice.
- File Explorer window:** The title bar says "Arguments". The path in the address bar is "Exercise Files > Ch03 > 03_02 > Arguments". The file "Main.java" is visible in the list, showing it is 149 bytes large and contains 149 characters.
- Command Prompt window:** The title bar says "C:\Windows\System32\cmd.exe". The window shows the following output:

```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>dir
Volume in drive C is BOOTCAMP
Volume Serial Number is E017-4F3E

Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments

06/02/2015  02:43 PM    <DIR>.
06/02/2015  02:43 PM    <DIR>..
06/02/2015  02:59 PM           149 Main.java
                           1 File(s)      149 bytes
                           2 Dir(s)  19,262,611,456 bytes free

C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>java
```

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
        System.out.println("MyArgument");  
    }  
}
```

The image shows a Windows desktop environment with three windows open:

- Notepad (Main - Notepad):** Displays the Java code for the `Main` class.
- File Explorer (Arguments):** Shows the directory structure of `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments`. It contains two subfolders (.) and (..) and one file, `Main.java`, which is 149 bytes in size.
- Command Prompt (C:\Windows\System32\cmd.exe):** Displays the output of running the `javac` and `java` commands. The output shows the program outputting "Hello from Java!" and "MyArgument".

```
Microsoft Windows [Version 6.3.9600]  
(c) 2013 Microsoft Corporation. All rights reserved.  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>dir  
Volume in drive C is BOOTCAMP  
Volume Serial Number is E017-4F3E  
  
Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments  
  
06/02/2015  02:43 PM    <DIR>    .  
06/02/2015  02:43 PM    <DIR>    ..  
06/02/2015  02:59 PM           149 Main.java  
                      1 File(s)      149 bytes  
                      2 Dir(s)  19,262,611,456 bytes free  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>javac Main.java  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>java Main MyArgument  
Hello from Java!  
MyArgument  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>
```

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
        System.out.println("My Argument");  
    }  
}
```

The image shows a Windows desktop environment with three windows open:

- Notepad (Main - Notepad):** Displays the Java code for the `Main` class.
- File Explorer (Arguments):** Shows the directory structure of `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments`. It contains two empty directories (.) and (..) and one file named `Main.java` which is 149 bytes in size.
- Command Prompt (C:\Windows\System32\cmd.exe):** Displays the following terminal session:

```
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>dir  
Volume in drive C is BOOTCAMP  
Volume Serial Number is E017-4F3E  
  
Directory of C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments  
  
06/02/2015  02:43 PM    <DIR>      .  
06/02/2015  02:43 PM    <DIR>      ..  
06/02/2015  02:59 PM      149 Main.java  
                      1 File(s)      149 bytes  
                      2 Dir(s)  19,262,611,456 bytes free  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>javac Main.java  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>java Main MyArgument  
Hello from Java!  
MyArgument  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>java Main My Argument  
Hello from Java!  
My  
  
C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>
```

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
        System.out.println("My Argument");  
    }  
}
```

The image shows a Windows desktop environment with three windows open:

- Notepad (Main - Notepad):** Displays the Java code for the `Main` class.
- File Explorer (Arguments):** Shows the directory structure of `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments`. It contains two empty directories (.. and .) and a file named `Main.java` with a size of 149 bytes. The total free space is 19,262,611,456 bytes.
- Command Prompt (C:\Windows\System32\cmd.exe):** Displays the output of running the Java program. It shows the command `javac Main.java` being run, followed by the output of `java Main MyArgument`, which prints "Hello from Java!" and "My Argument".

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
        System.out.println("My Argument");  
    }  
}
```

The image shows a Windows desktop environment with three windows open:

- Notepad (Main - Notepad):** Displays the Java code for the `Main` class.
- File Explorer (Arguments):** Shows the file structure: `Exercise Files > Ch03 > 03_02 > Arguments`. It also displays system information: 1 File(s) 149 bytes and 2 Dir(s) 19,262,611,456 bytes free.
- Command Prompt (C:\Windows\System32\cmd.exe):** Displays the following command-line interactions:
 - `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>javac Main.java`
 - `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>java Main MyArgument`
Hello from Java!
My Argument
 - `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>java Main "My Argument"`
Hello from Java!
My Argument
 - `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>java Main`
Hello from Java!
Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 0
at Main.main(Main.java:5)
 - `C:\Users\David\Desktop\Exercise Files\Ch03\03_02\Arguments>`

File Edit Format View Help

```
public class Main {  
  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
        System.out.println(args[0]);  
    }  
  
}
```



Recycle Bin



Exercise Files

Packages					
	Name	Date modified	Type	Size	
	Main	6/2/2015 2:59 PM	JAVA File	1 KB	
Favorites					
Home					
Desktop					
Downloads					
Dropbox					
Recent places					
Courses					
Exercise Files					
AndroidStudioProjects					
Google Drive					
OneDrive					
Homegroup					
This PC					
Libraries					
Network					
1 item					





Recycle Bin



Exercise Files

Packages

Packages				
	Name	Date modified	Type	Size
	Main	6/2/2015 2:59 PM	JAVA File	1 KB
Favorites				
	Home			
	Desktop			
	Downloads			
	Dropbox			
	Recent places			
	Courses			
	Exercise Files			
	AndroidStudioProjects			
	Google Drive			
	OneDrive			
	Homegroup			
	This PC			
	Libraries			
	Network			
1 item				



Recycle Bin



Exercise Files

Packages

	Name	Date modified	Type	Size
	Main	6/2/2015 2:59 PM	JAVA File	1 KB

1 item

File Home Share View

Exercise Files > Ch03 > 03_03 > Packages

Favorites

- Home
- Desktop
- Downloads
- Dropbox
- Recent places
- Courses
- Exercise Files
- AndroidStudioProjects
- Google Drive

OneDrive

Homegroup

This PC

Libraries

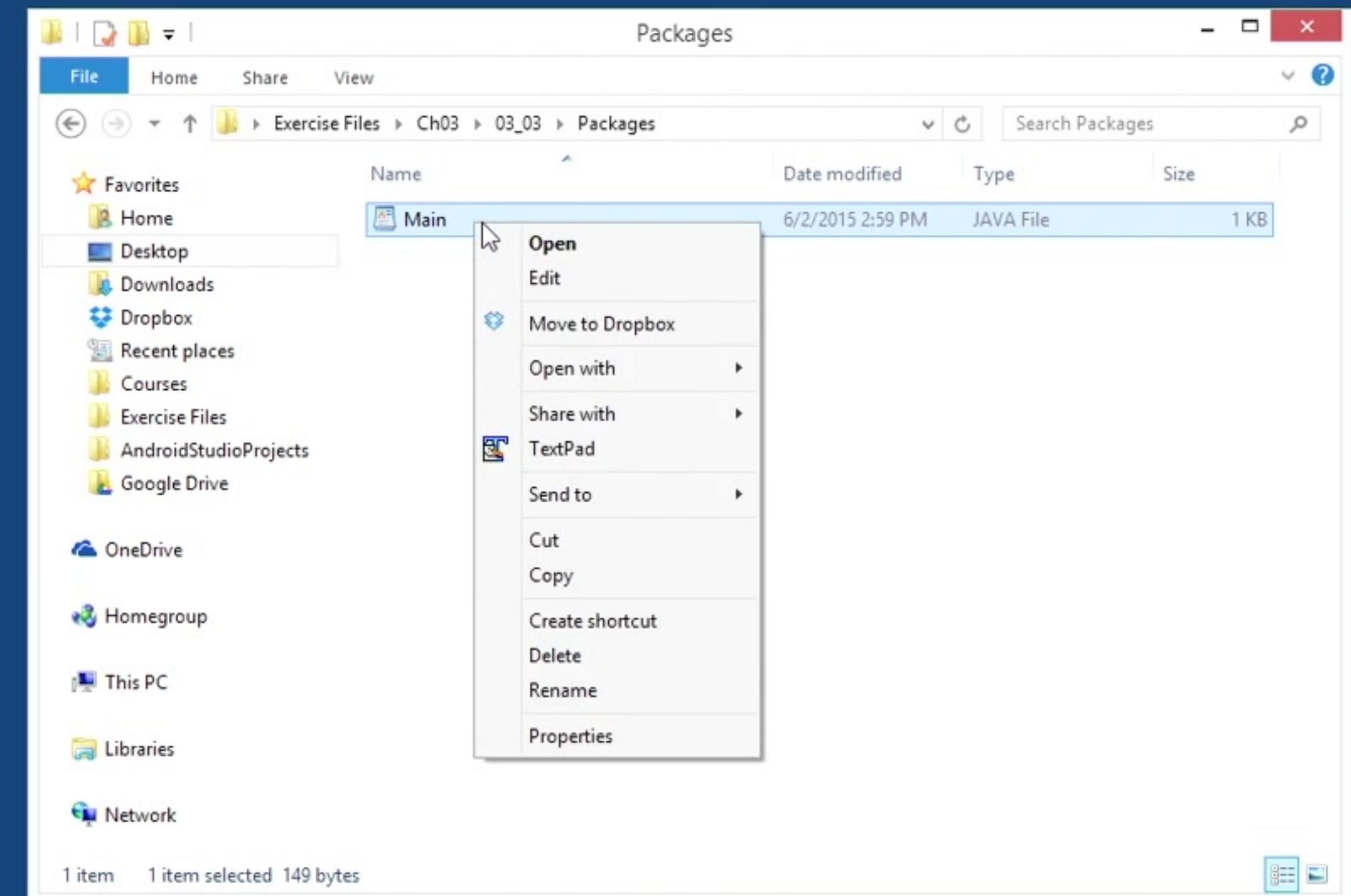
Network



Recycle Bin



Exercise Files





Recycle Bin



Exercise Files

Main - Notepad

File Edit Format View Help

```
package |  
  
public class Main {  
  
    public static void main(String[] args) {  
        System.out.println("Hello from Java!");  
        System.out.println(args[0]);  
    }  
}
```



Recycle Bin



Exercise Files

Main - Notepad

File Edit Format View Help

```
package com.example.java

public class Main {

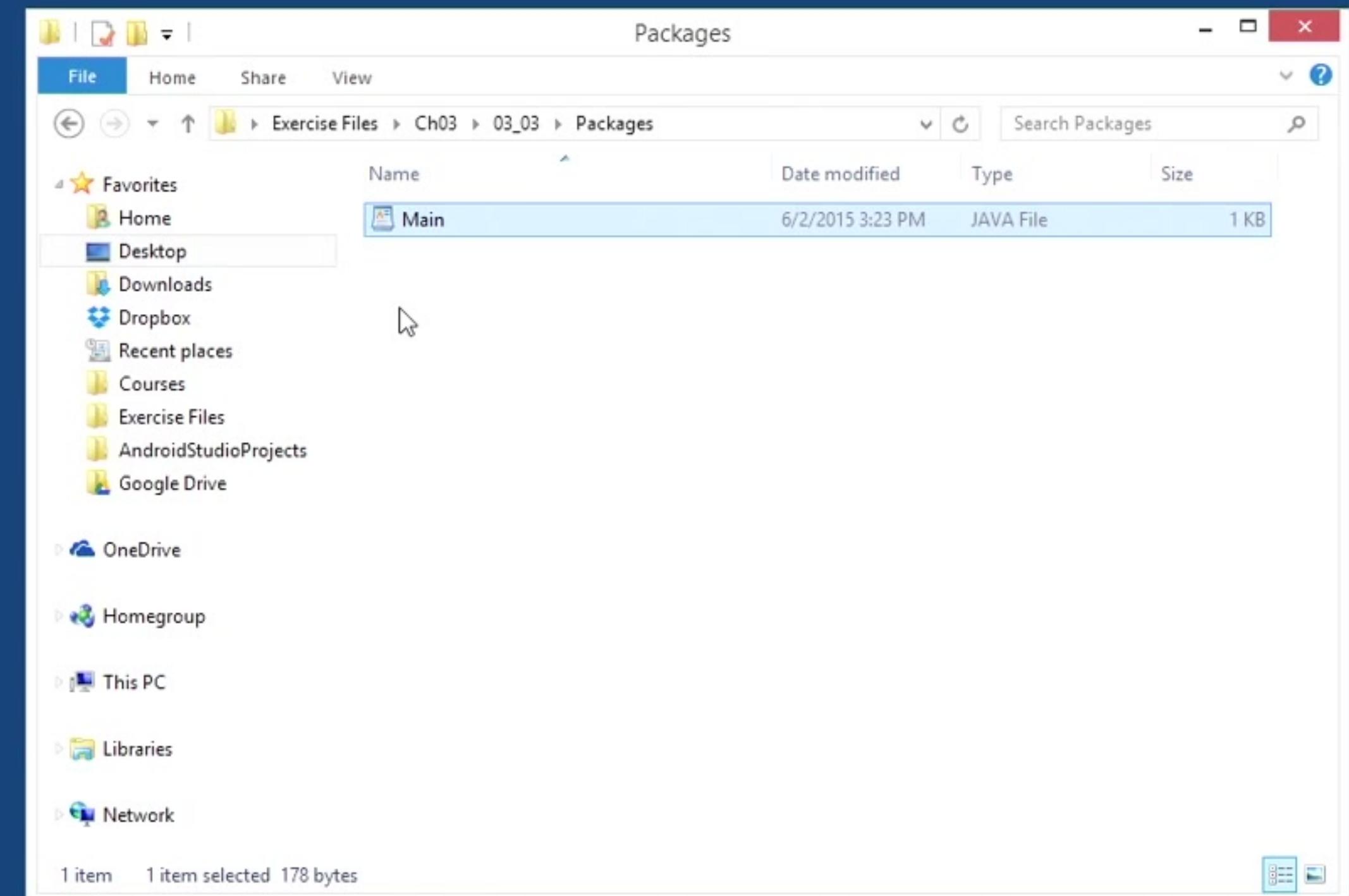
    public static void main(String[] args) {
        System.out.println("Hello from Java!");
        System.out.println(args[0]);
    }
}
```



Recycle Bin



Exercise Files

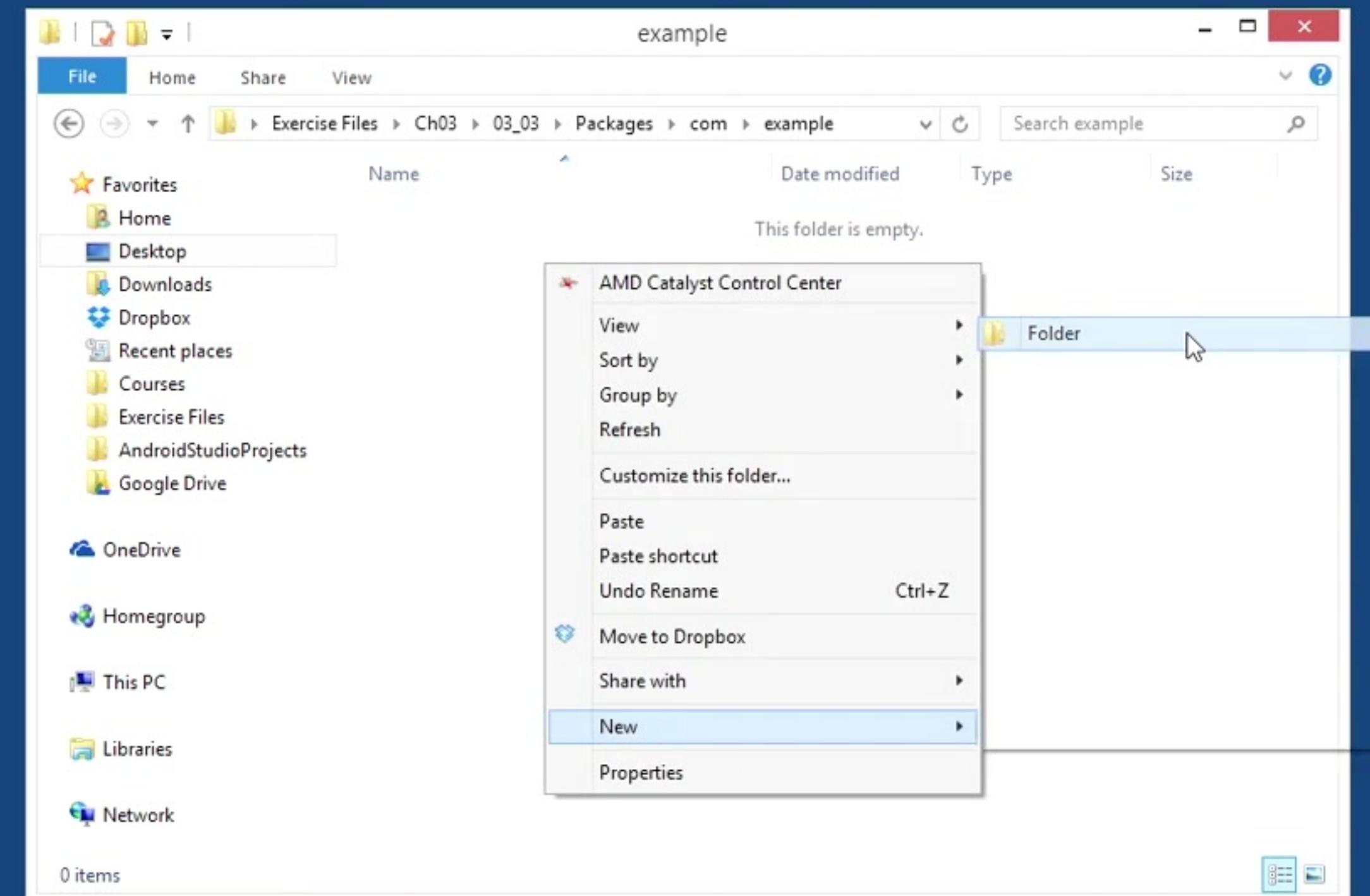




Recycle Bin



Exercise Files

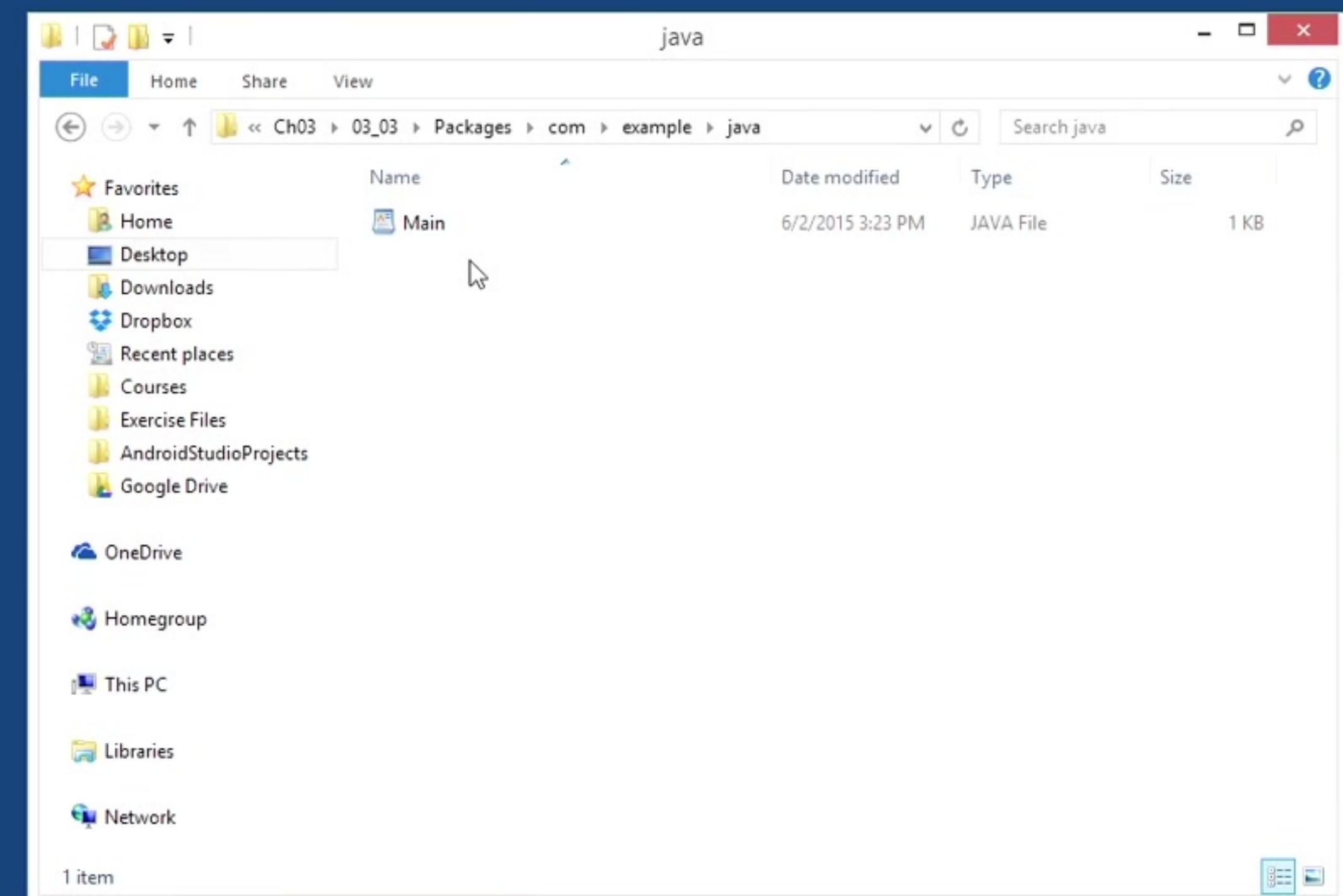




Recycle Bin



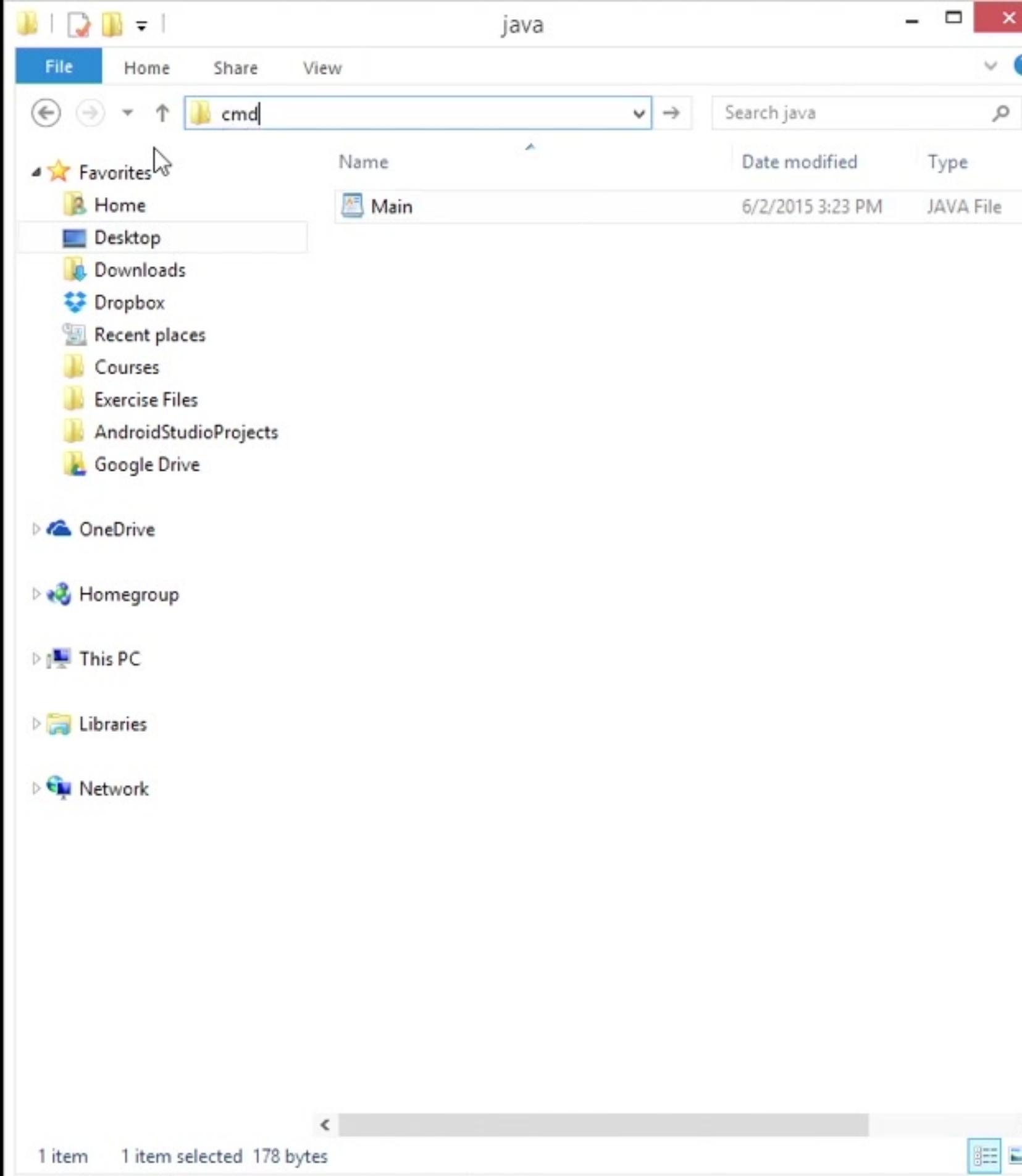
Exercise Files



This PC

Libraries

Network



Main - Notepad

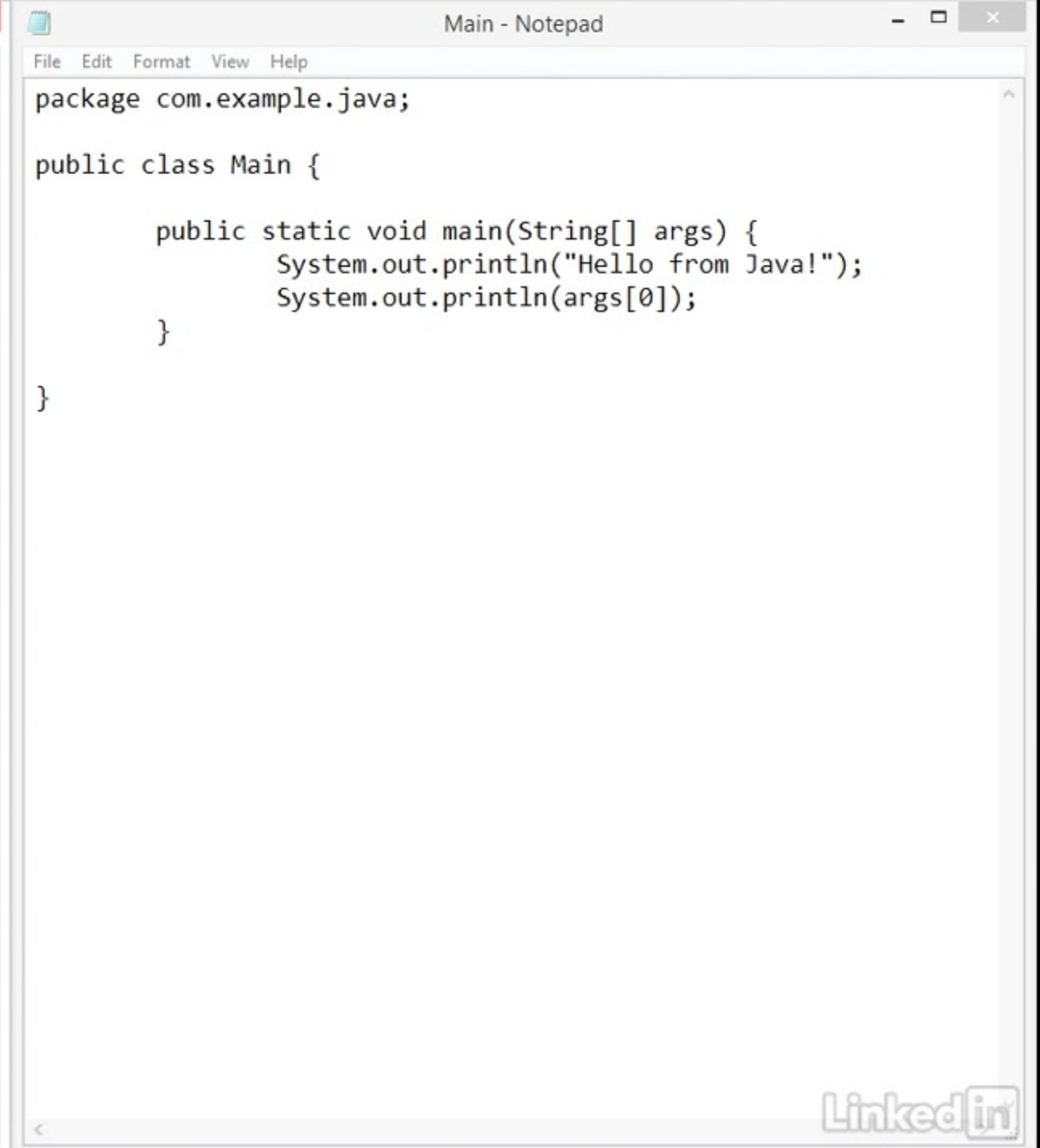
File Edit Format View Help

```
package com.example.java;

public class Main {

    public static void main(String[] args) {
        System.out.println("Hello from Java!");
        System.out.println(args[0]);
    }
}
```

LinkedIn



java

Main - Notepad

File Home Share View

File Edit Format View Help

C:\Windows\System32\cmd.exe

Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages\com\example\java>cd ..

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages\com\example>cd ..

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages\com>cd ..

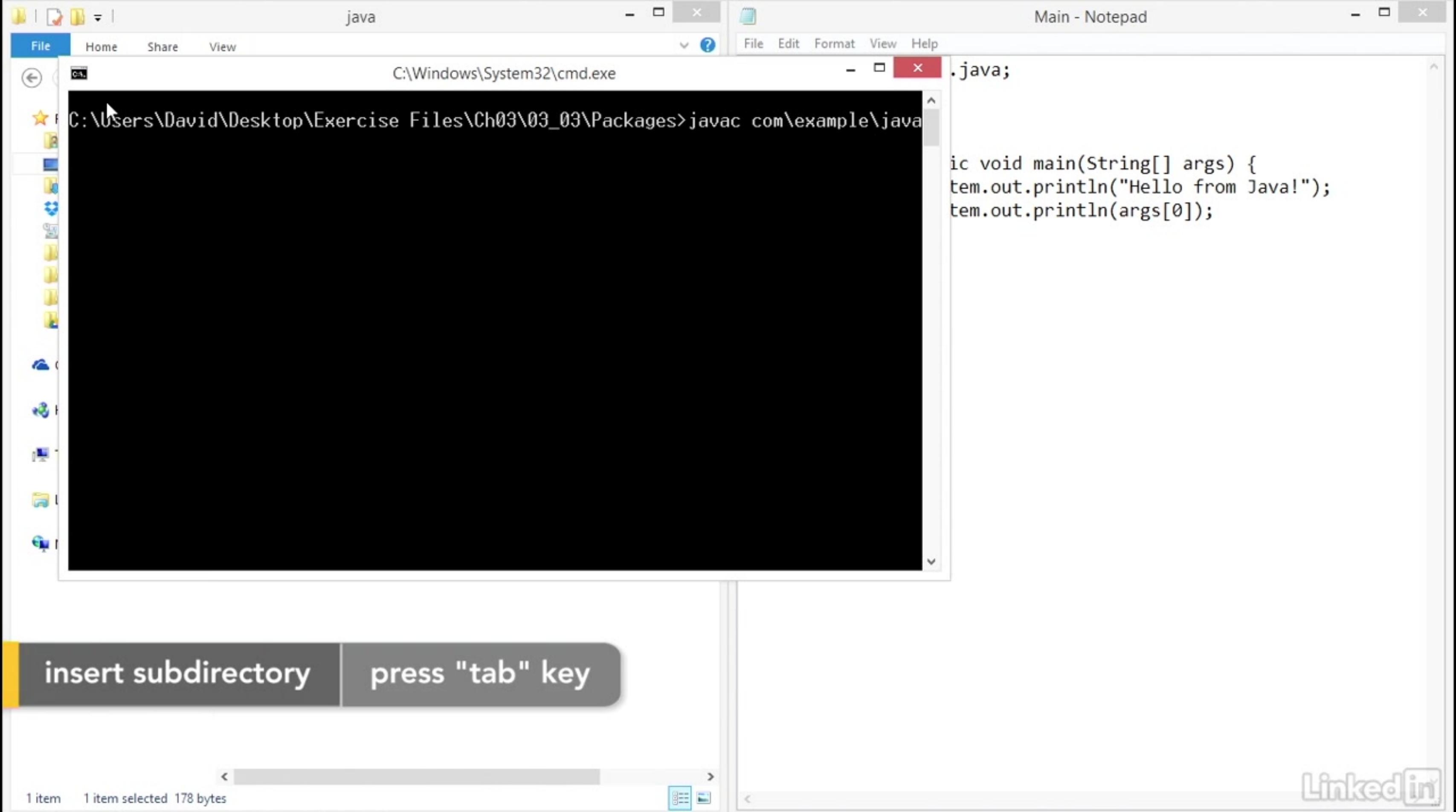
C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>_

.java;

```
public void main(String[] args) {  
    System.out.println("Hello from Java!");  
    System.out.println(args[0]);  
}
```

1 item 1 item selected 178 bytes

LinkedIn



java

File Home Share View

C:\Windows\System32\cmd.exe

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>javac com\example\java\Main.java

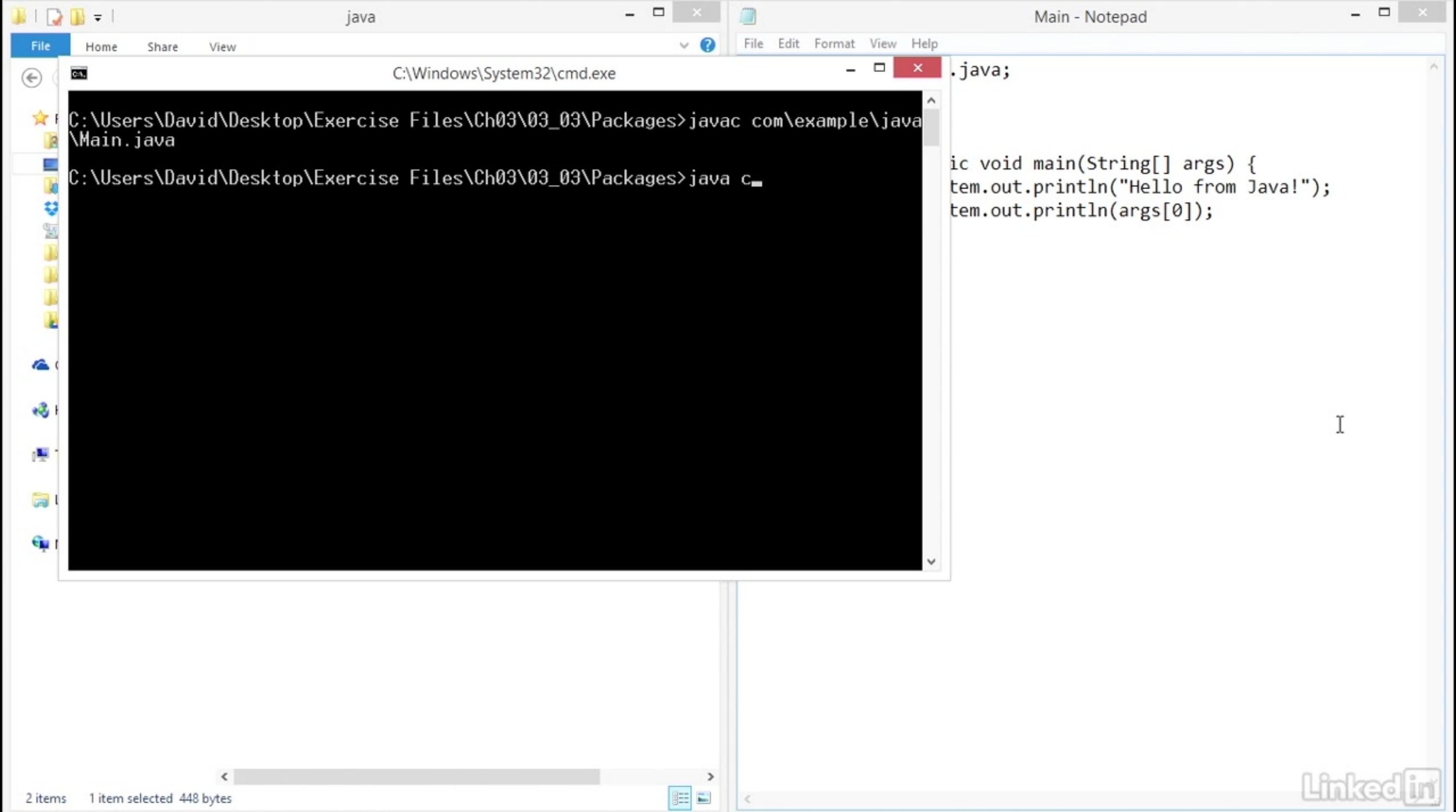
C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>java Main

ic void main(String[] args) {
 tem.out.println("Hello from Java!");
 tem.out.println(args[0]);

2 items 1 item selected 448 bytes

Main - Notepad

LinkedIn



java

File Home Share View

C:\Windows\System32\cmd.exe

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>javac com\example\java\Main.java

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>java com.example.java.Main

Hello from Java!

Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 0
at com.example.java.Main.main(Main.java:7)

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>

Main - Notepad

.java;

```
ic void main(String[] args) {  
    tem.out.println("Hello from Java!");  
    tem.out.println(args[0]);  
}
```

LinkedIn

java

File Home Share View

C:\Windows\System32\cmd.exe

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>javac com\example\java\Main.java

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>java com.example.java.

Main

Hello from Java!

Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 0

at com.example.java.Main.main(Main.java:7)

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>java com.example.java.

Main MyArgument

Hello from Java!

MyArgument

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>

Main - Notepad

.java;

```
ic void main(String[] args) {  
    tem.out.println("Hello from Java!");  
    tem.out.println(args[0]);  
}
```

2 items 1 item selected 448 bytes

LinkedIn

java

C:\Windows\System32\cmd.exe

```
C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>java
\Main.java
C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>java
Main
Hello from Java!
Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException
  at com.example.java.Main.main(Main.java:7)

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>java
Main MyArgument
Hello from Java!
MyArgument

C:\Users\David\Desktop\Exercise Files\Ch03\03_03\Packages>
```

2 items 1 item selected 448 bytes

Main - Notepad

File Edit Format View Help

```
package com.example.java;

public class Main {

    public static void main(String[] args) {
        System.out.println("Hello from Java!");
        System.out.println(args[0]);
    }
}
```

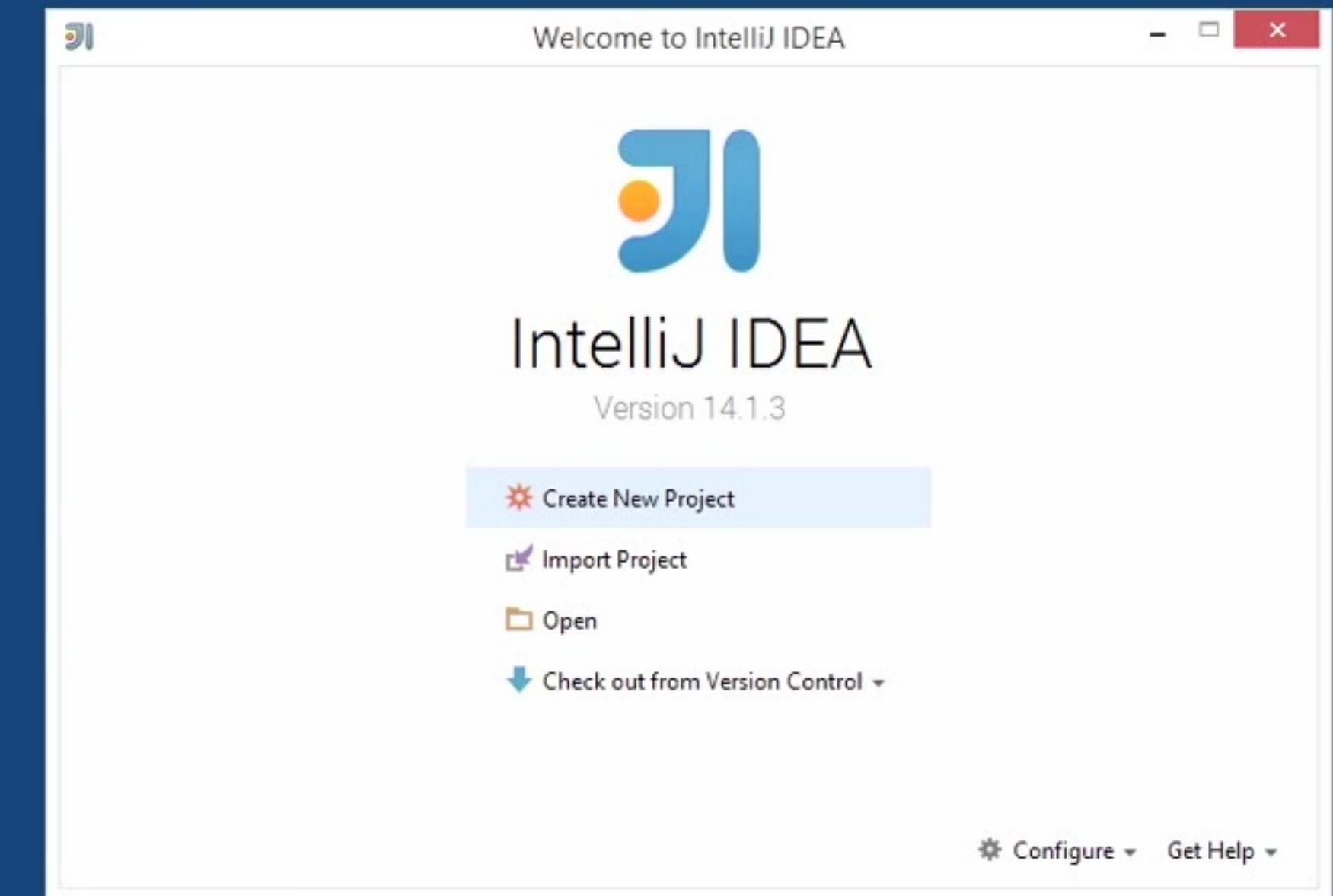
LinkedIn



Recycle Bin



Exercise Files

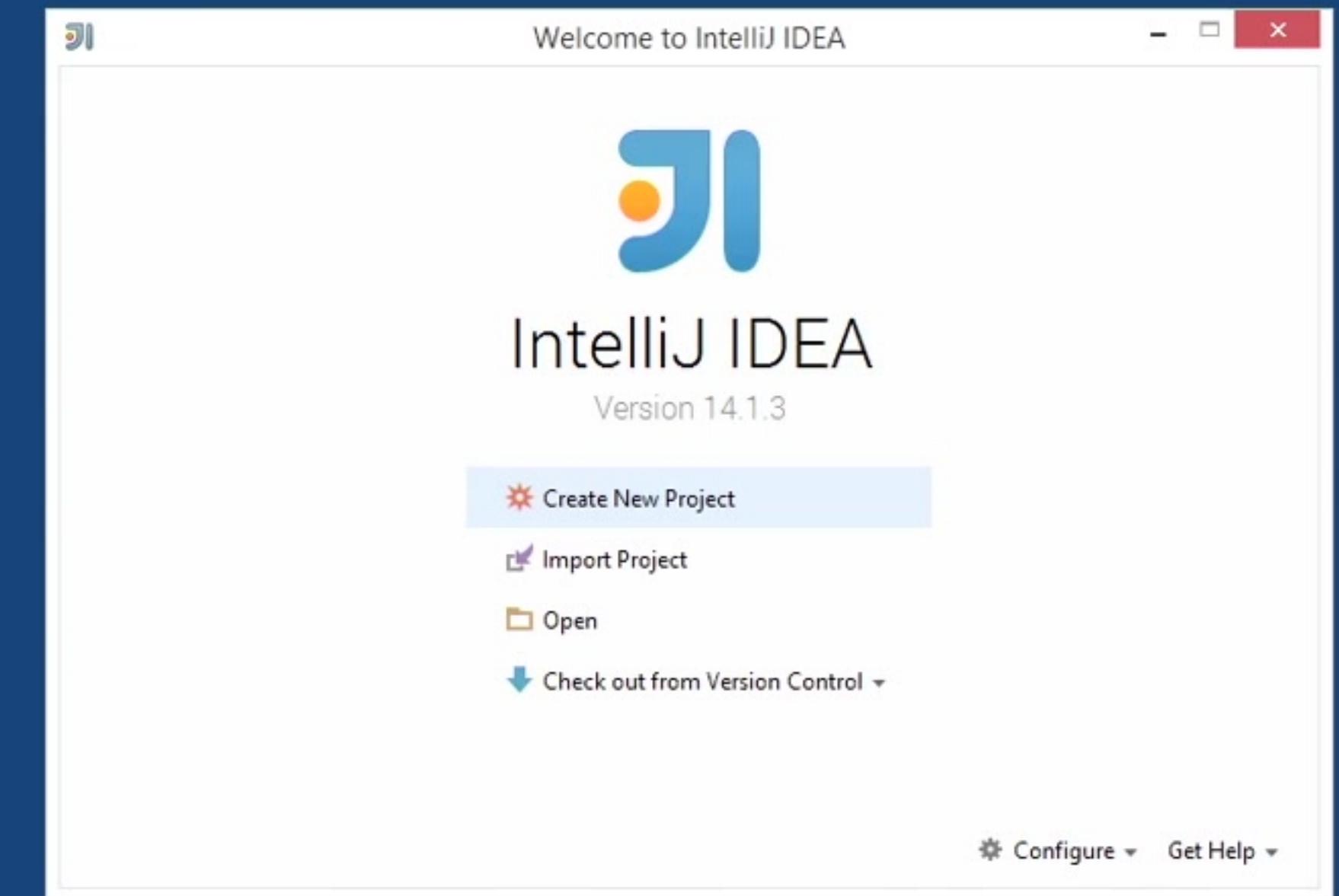




Recycle Bin



Exercise Files

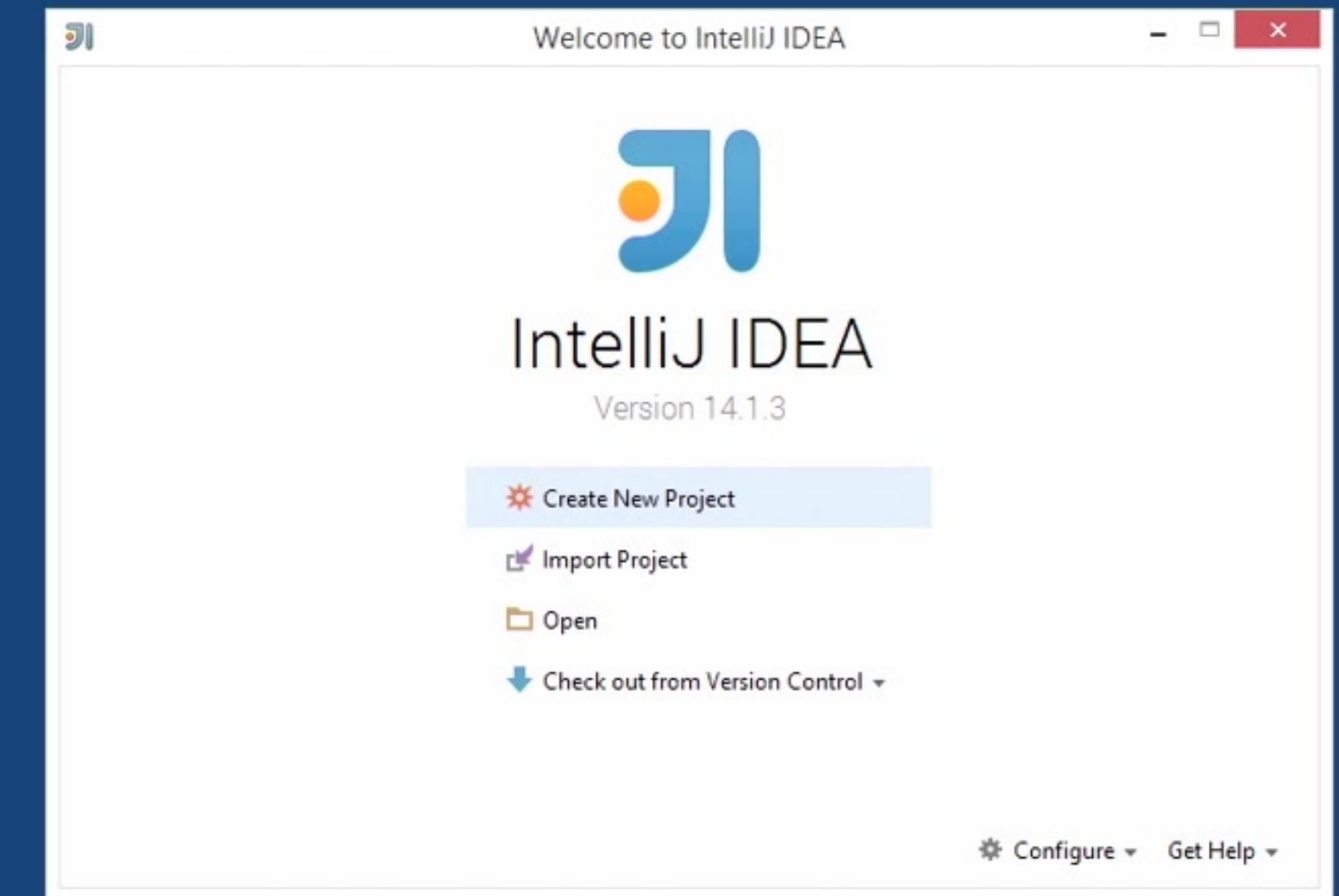


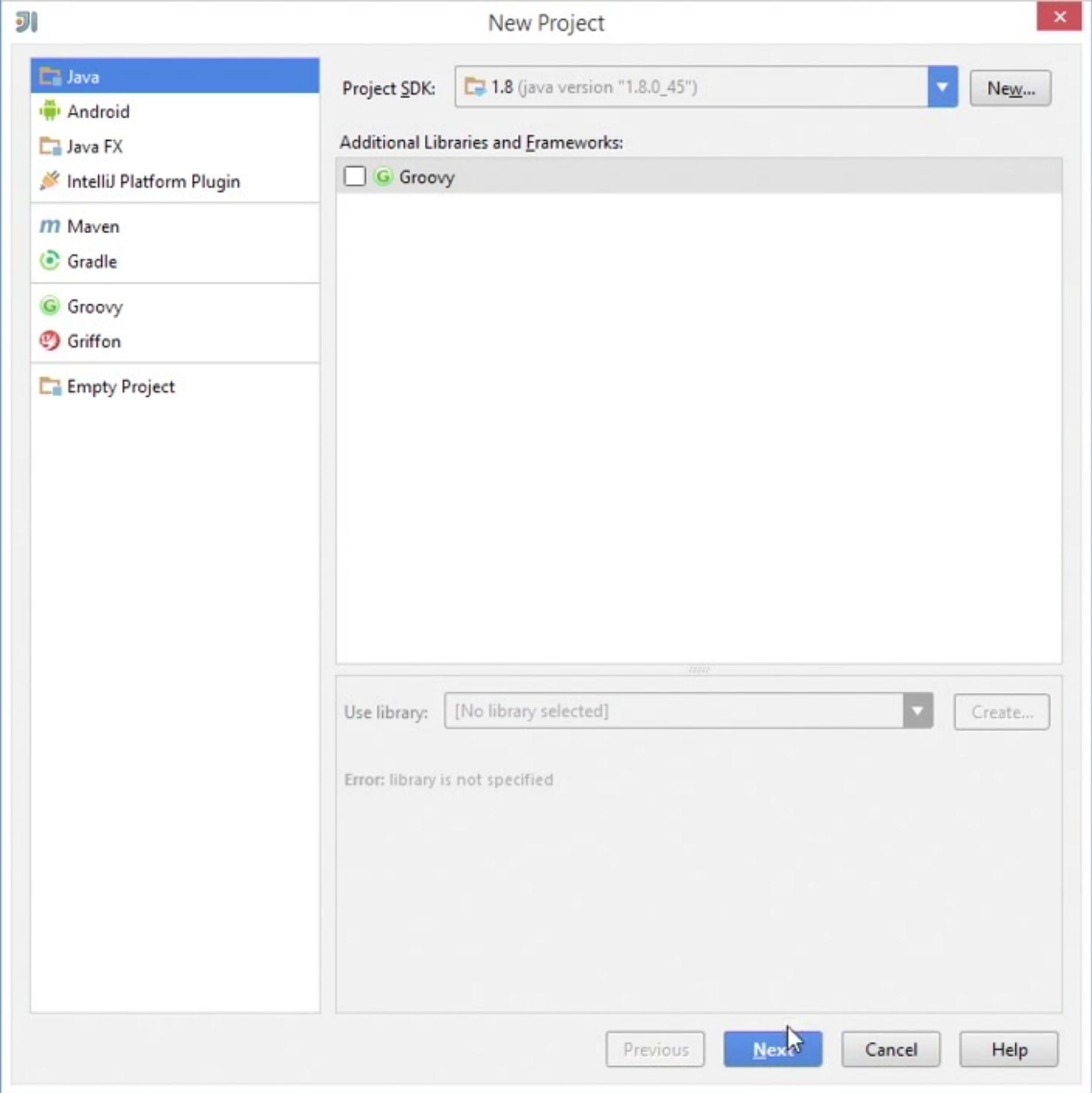


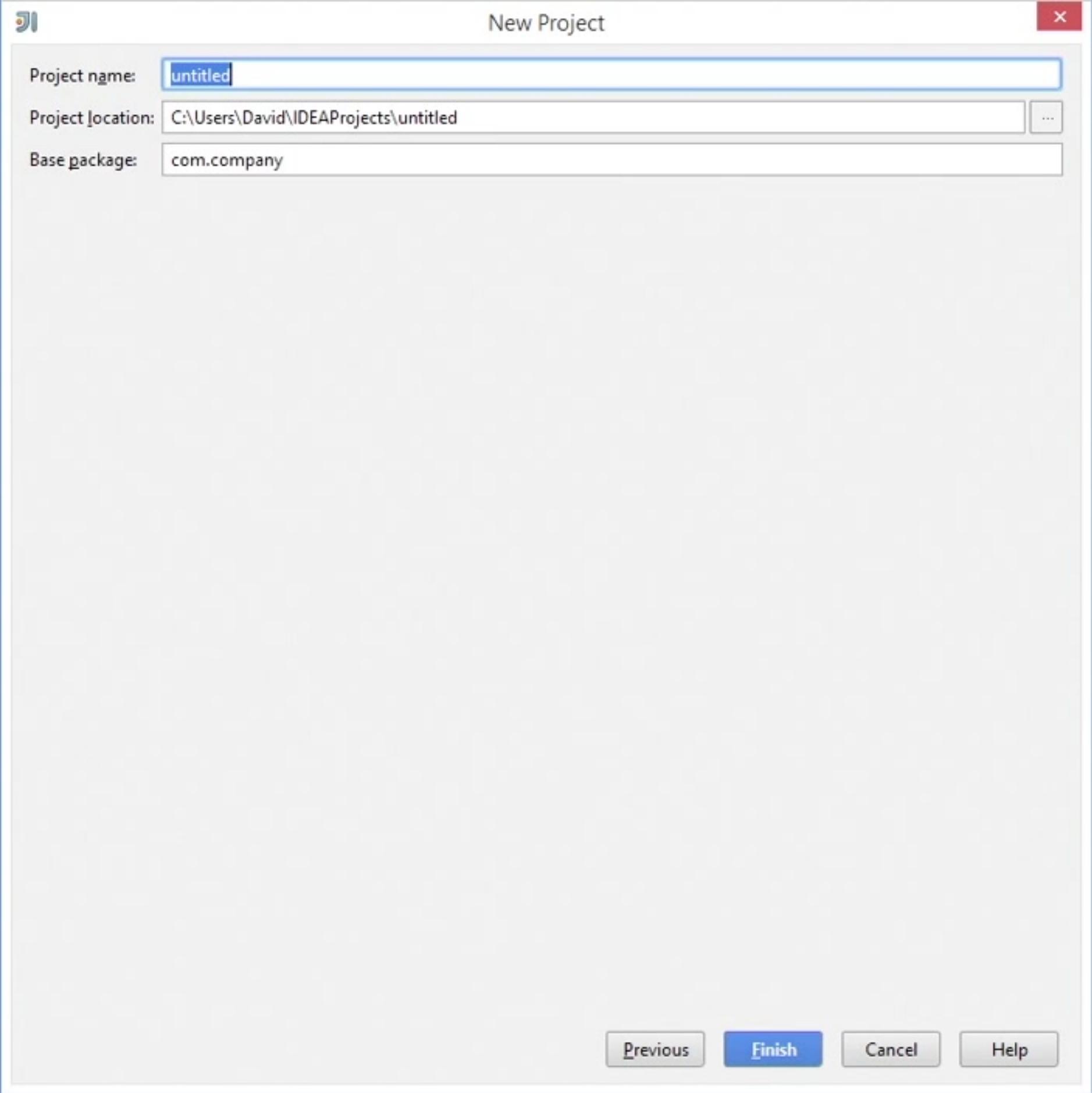
Recycle Bin

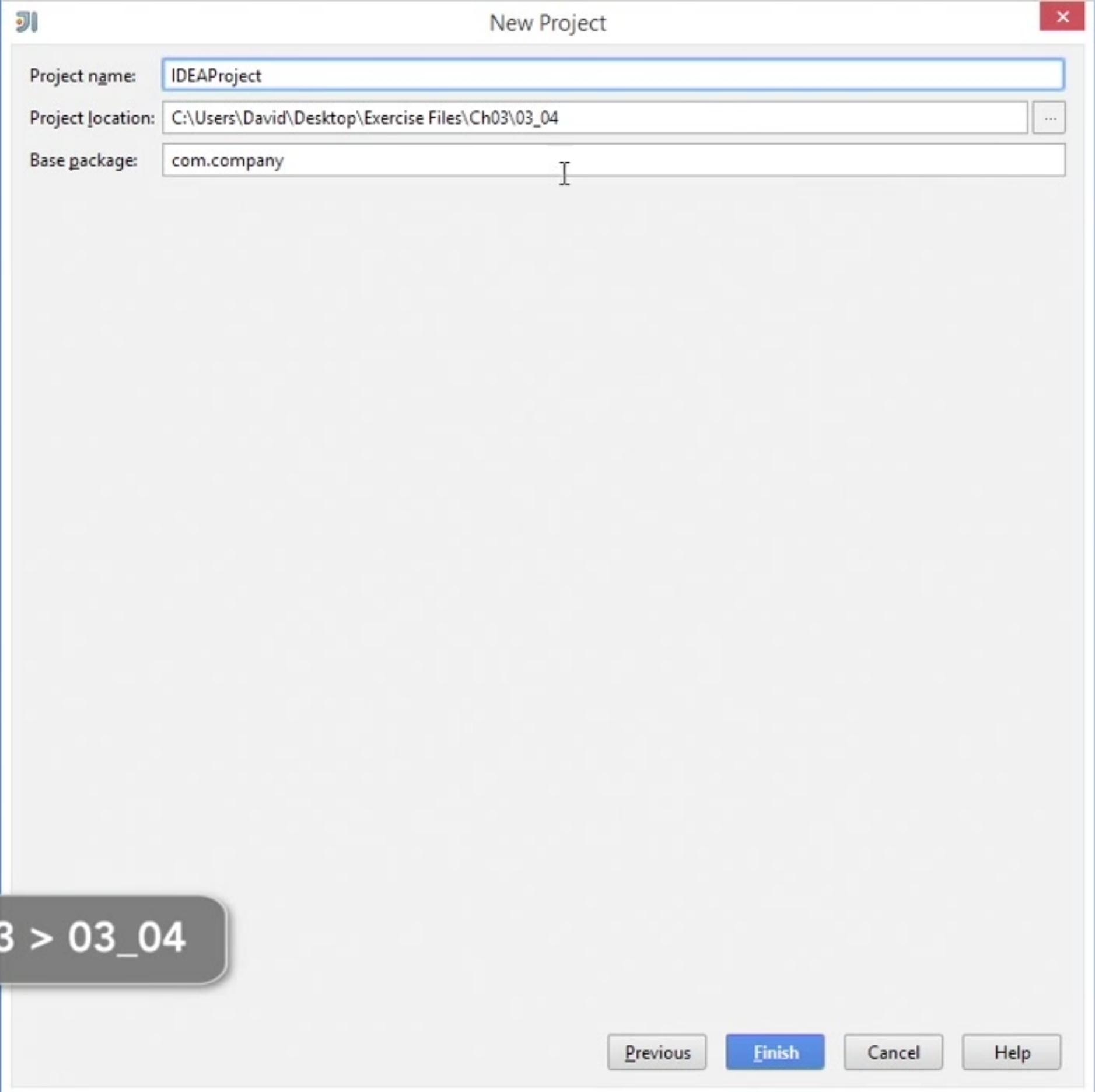


Exercise Files







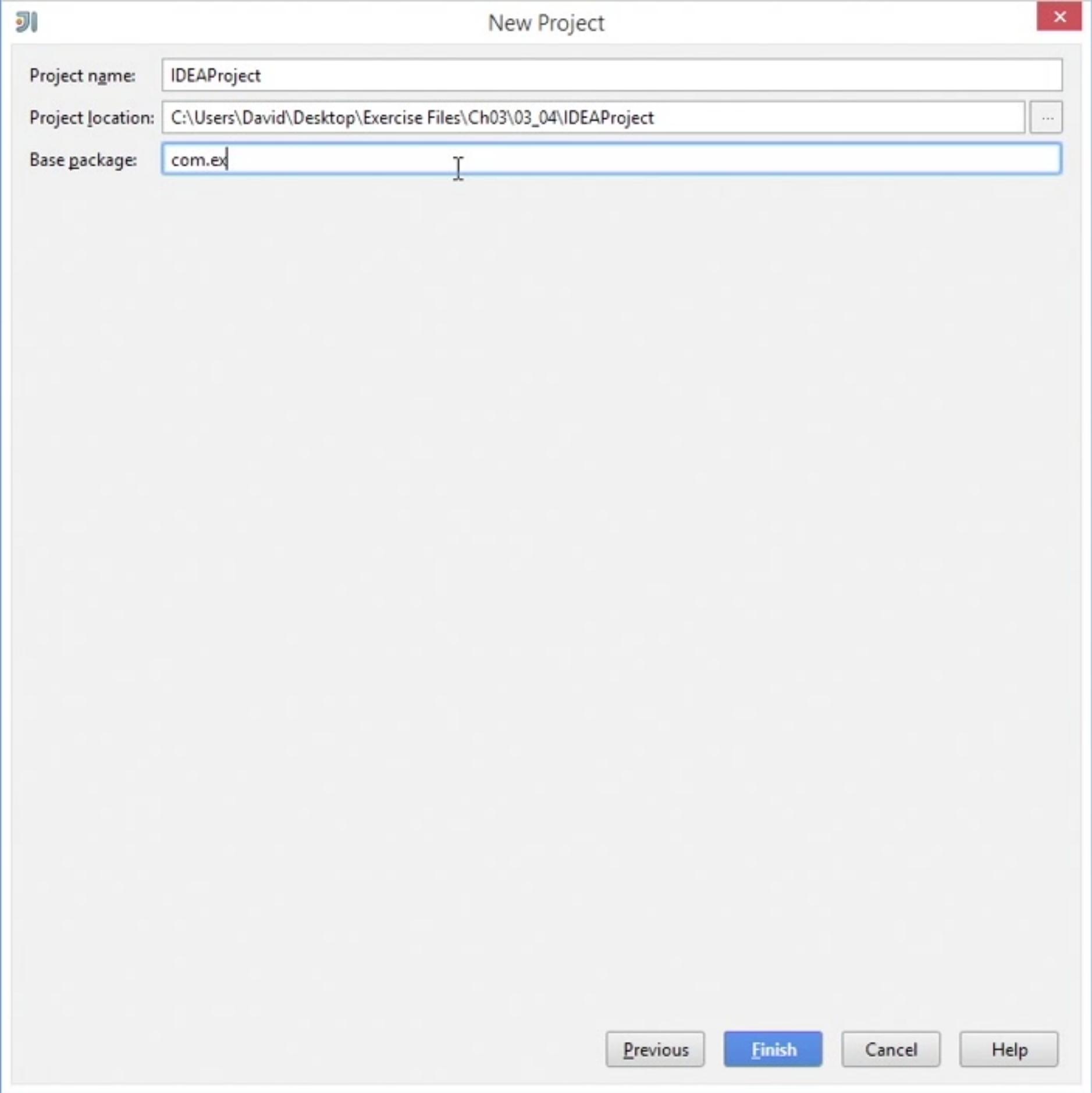


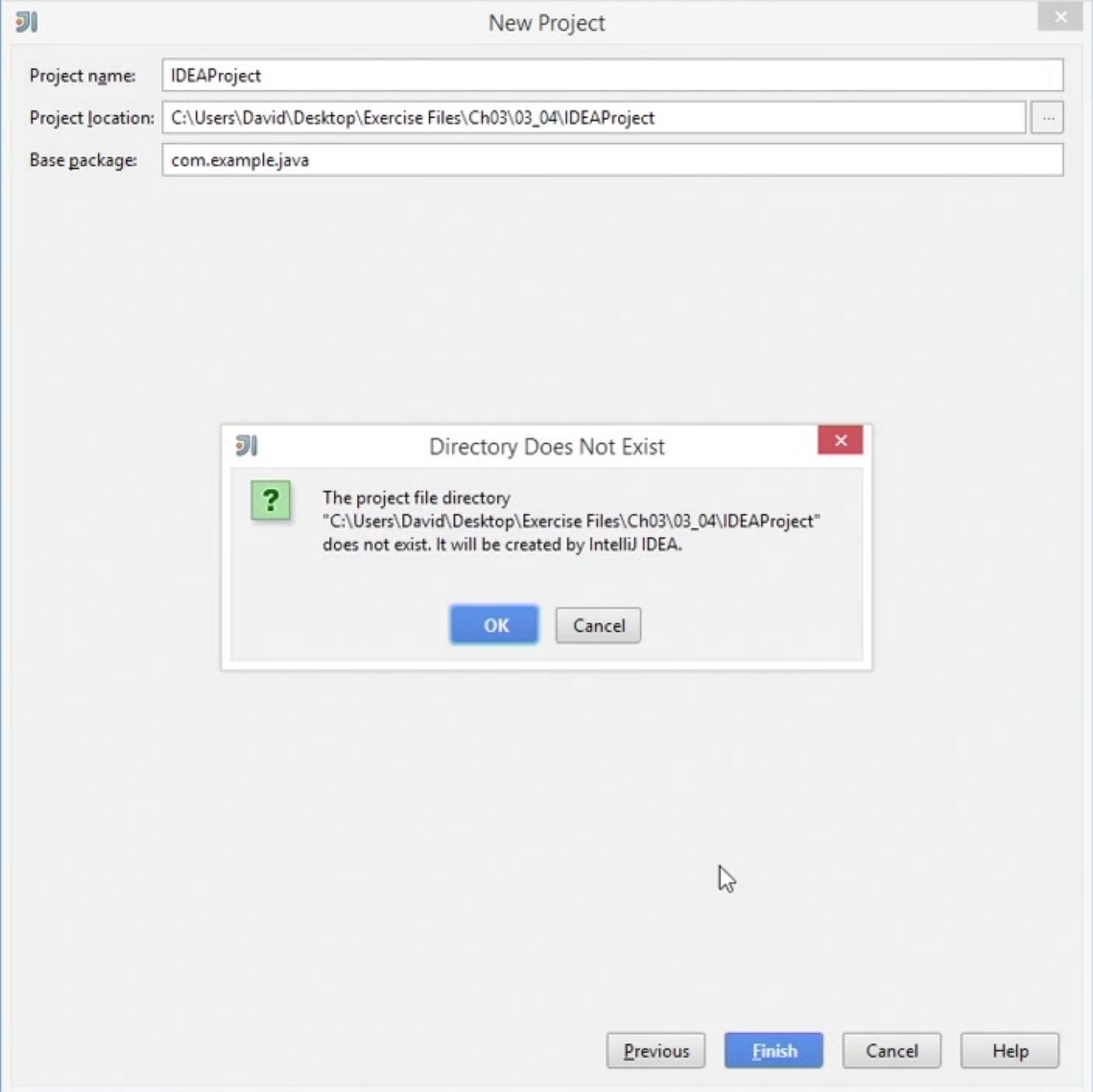
Recycle Bin



Exercise Files

Exercise Files > Ch03 > 03_04






```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         // write your code here
7     }
8 }
9
```

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

New

Open...

Reopen Project

Close Project

Settings... **Ctrl+Alt+S**

Project Structure... **Ctrl+Alt+Shift+S**

Other Settings

Import Settings...

Export Settings...

Export to Eclipse...

Save All **Ctrl+S**

Synchronize **Ctrl+Alt+Y**

Invalidate Caches / Restart...

Export to HTML...

Print...

Add to Favorites

File Encoding

Line Separators

Make File Read-only

Power Save Mode

Exit

Main.java x

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         // write your code here
7     }
8 }
9
```

LinkedIn

Edit application settings

CRLF windows-1252

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject

Project IDEAPrjekt (C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject) External Libraries

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         // write your code here
7     }
8 }
9
```

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         Sys
7         }< System (java.lang)
8     }
9 }
```

Ctrl+Down and Ctrl+Up will move caret down and up in the editor >>

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main

Project External Libraries

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         Sys
7         }< System (java.lang)
8     }
9
```

Ctrl+Down and Ctrl+Up will move caret down and up in the editor >>

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out|
7     }
8 }
9
```

Ctrl+Down and Ctrl+Up will move caret down and up in the editor >>

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.  ^
7     }
8 }
9
```

flush() void
append(char c) PrintStream
format(Locale l, String format...) PrintStream
format(String format, Object...) PrintStream
print(boolean b) void
print(char c) void
print(char[] s) void
print(double d) void
print(float f) void
print(int i) void
print(long l) void

Ctrl+Down and Ctrl+Up will move caret down and up in the editor >>

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println_
7     }
8 }
9
```

Ctrl+Down and Ctrl+Up will move caret down and up in the editor >>

LinkedIn

:' expected 6:27 CRLF windows-1252

m void println()	void
m void println(boolean x)	void
m void println(char x)	void
m void println(char[] x)	void
m void println(double x)	void
m void println(float x)	void
m void println(int x)	void
m void println(long x)	void
m void println(Object x)	void
m void println(String x)	void

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDE");
7     }
8 }
9
```

IntelliJ IDEA code completion dropdown menu:

- <no parameters>
- boolean x
- char x
- int x
- long x
- float x
- double x
- @NotNull char[] x
- String x
- @Nullable Object x

LinkedIn logo

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

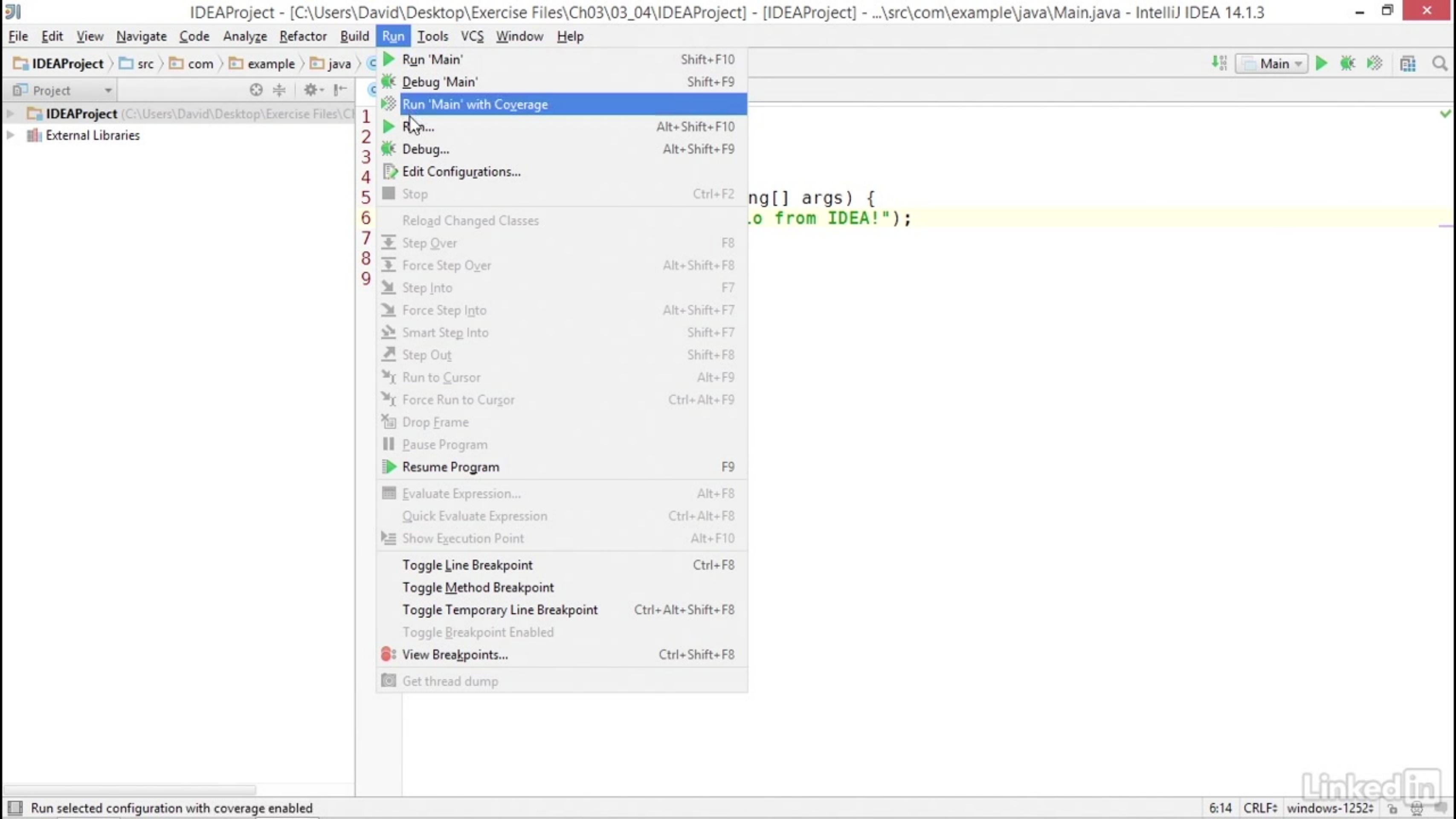
IDEAProject > src > com > example > java > Main > Main.java

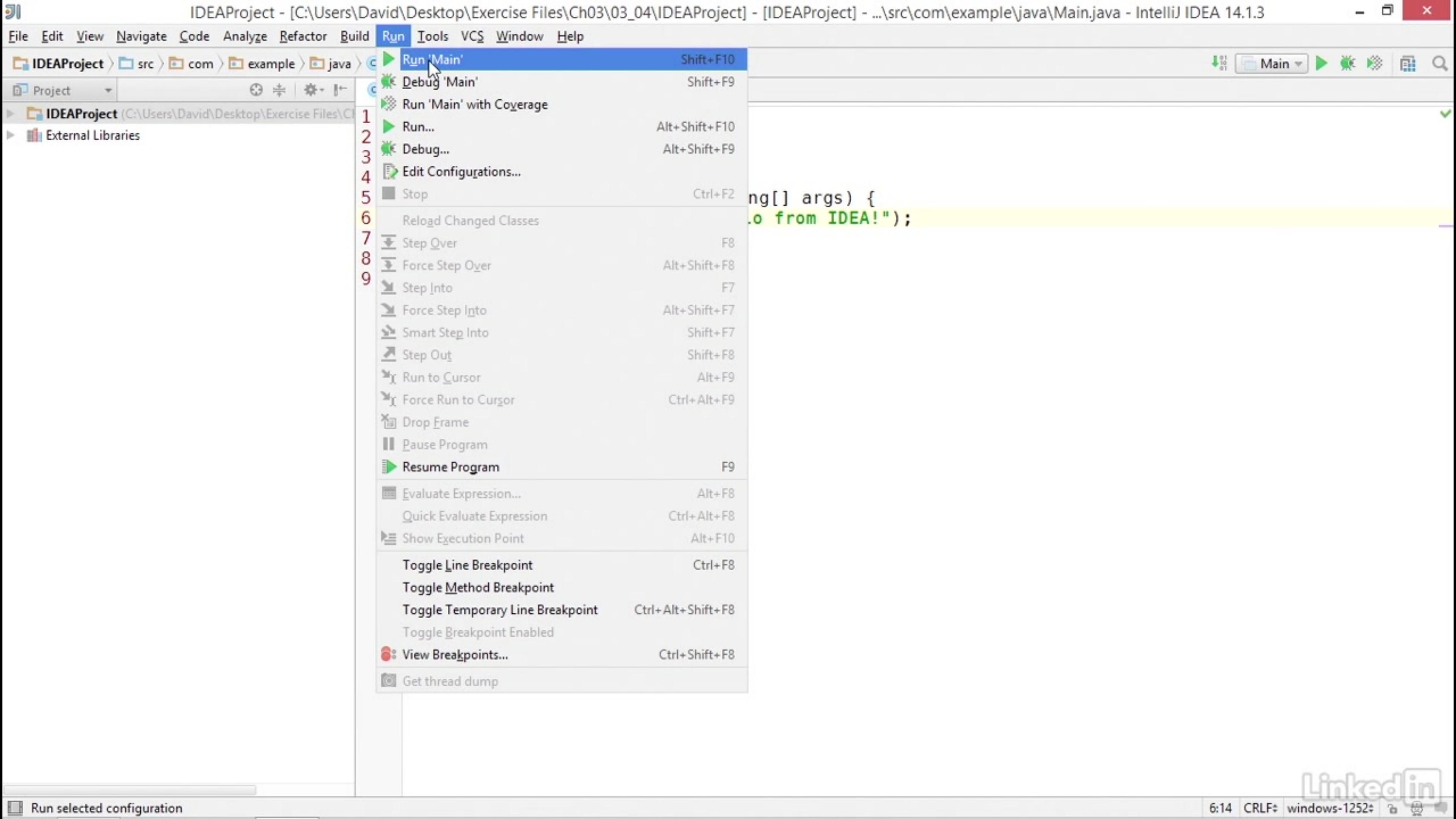
Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7     }
8
9 }
```

Inject language or reference

LinkedIn





IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project IDEAProject (C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject) External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7     }
8 }
9
```

I

Compilation completed successfully in 2s 927ms (moments ago) Scanning files to index... 6:14 CRLF windows-1252

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7     }
8 }
9
10
```

Run Main

"C:\Program ...
Hello from IDEA!
Process finished with exit code 0

Compilation completed successfully in 2s 927ms (moments ago)

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8     }
9 }
10
11
```

Run Main

"C:\Program ...
Hello from IDEA!
Process finished with exit code 0

Compilation completed successfully in 2s 927ms (a minute ago)

8:9 CRLF windows-1252

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

IDEAProject > src > com > example > java > Main > Main.java

Project IDEAProject (C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject) External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println();
9     }
10}
11
```

Run Main

"C:\Program ...
Hello from IDEA!
Process finished with exit code 0

Compilation completed successfully in 2s 927ms (a minute ago)

8:28 CRLF windows-1252

LinkedIn

IDEAProject > src > com > example > java > Main

Main

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10}
11
```

The code in the Main.java file is a Java program. It contains a package declaration for 'com.example.java', a public class named 'Main', and a main method. The main method prints two lines to the console: 'Hello from IDEA!' and 'Your name is David'. The variable 'aString' is declared and assigned the value 'David'.

aString
String
Press Ctrl+Space to see non-imported classes >>

Run Main

"C:\Program ...
Hello from IDEA!
Process finished with exit code 0



IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Tool Windows Main

Quick Definition Ctrl+Shift+I Main.java

Show Siblings Ctrl+Q

Show Bytecode

Parameter Info Ctrl+P

Context Info Alt+Q

Jump to Source F4

Recent Files Ctrl+E

Recently Changed Files Ctrl+Shift+E

Recent Changes Alt+Shift+C

Compare With... Ctrl+D

Compare with Clipboard

Quick Switch Scheme... Ctrl+Back Quote

Toolbar

Tool Buttons

Status Bar

Navigation Bar

Active Editor

Enter Presentation Mode

Enter Distraction Free Mode

Enter Full Screen

Run Main

"C:\Program ...
Hello from IDEA!
Process finished with exit code 0

Compilation completed successfully in 2s 927ms (2 minutes ago)

8:53 CRLF: windows-1252

LinkedIn

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
```

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Main

IDEAProject src com example java Main

Project IDEAProject (C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject) External Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

Run Main

"C:\Program ...
Hello from IDEA!
Your name is David
Process finished with exit code 0

Compilation completed successfully in 912ms (moments ago)

6:1 CRLF windows-1252

LinkedIn

IDEAProject - [C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject] - [IDEAProject] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Run 'Main' Shift+F10
Debug 'Main' Shift+F9
Run 'Main' with Coverage
Run... Alt+Shift+F10
Debug... Alt+Shift+F9
Edit Configurations...
Stop Ctrl+F2
Reload Changed Classes
Step Over F8
Force Step Over Alt+Shift+F8
Step Into F7
Force Step Into Alt+Shift+F7
Smart Step Into Shift+F7
Step Out Shift+F8
Run to Cursor Alt+F9
Force Run to Cursor Ctrl+Alt+F9
Drop Frame
Pause Program
Resume Program F9
Evaluate Expression... Alt+F8
Quick Evaluate Expression Ctrl+Alt+F8
Show Execution Point Alt+F10
Toggle Line Breakpoint Ctrl+F8
Toggle Method Breakpoint
Toggle Temporary Line Breakpoint Ctrl+Alt+Shift+F8
Toggle Breakpoint Enabled
View Breakpoints... Ctrl+Shift+F8
Get thread dump

IDEAProject src com example java

Project IDEAPerf (C:\Users\David\Desktop\Exercise Files\Ch03\03_04\IDEAProject)

External Libraries

```
ing[] args) {  
    .lo from IDEA!");  
    "  
    ir name is " + aString);
```

Run Main

"C:\Program ...
Hello from IDEA!
Your name is David
Process finished with exit code 0

Run selected configuration

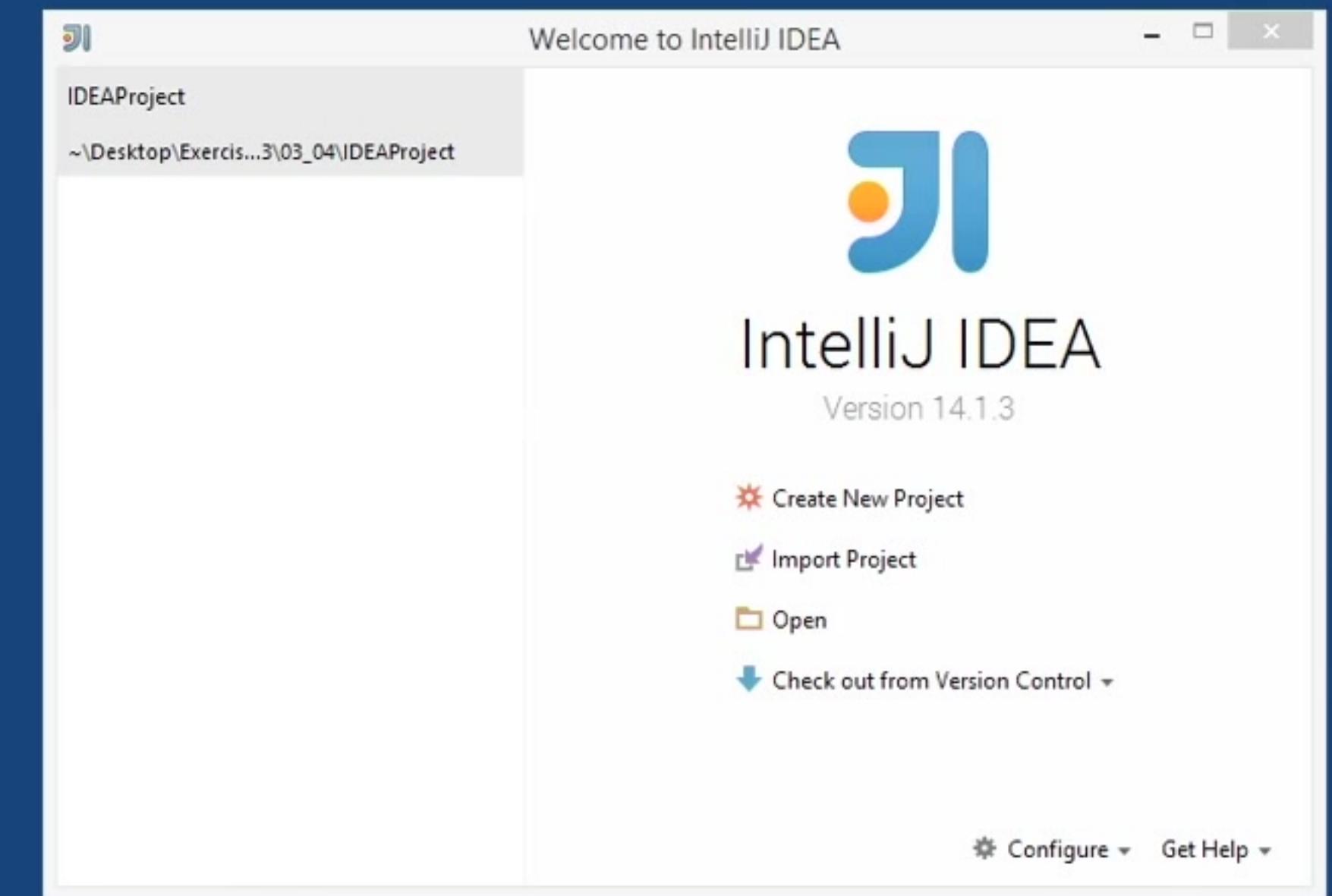
LinkedIn



Recycle Bin



Exercise Files

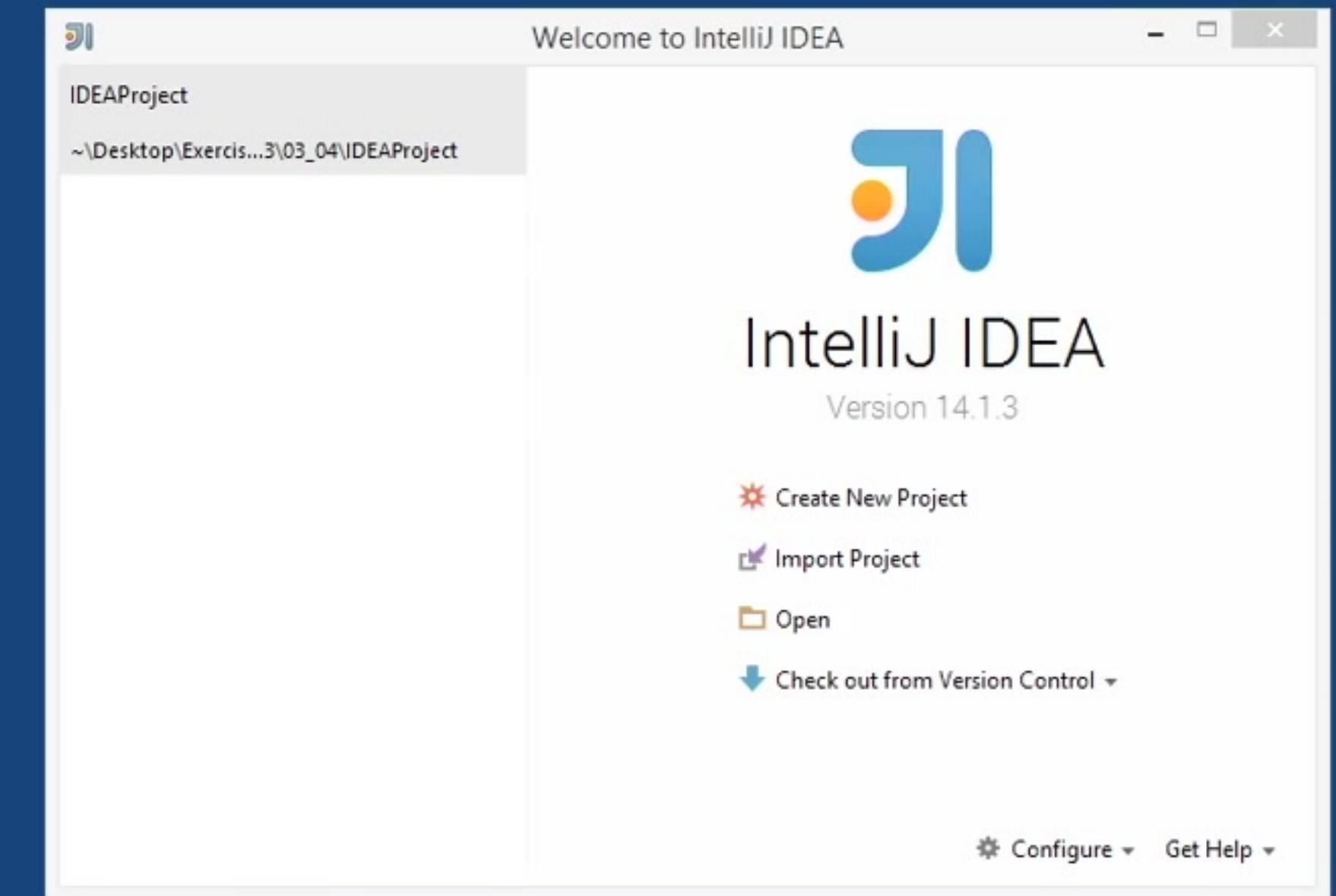




Recycle Bin



Exercise Files

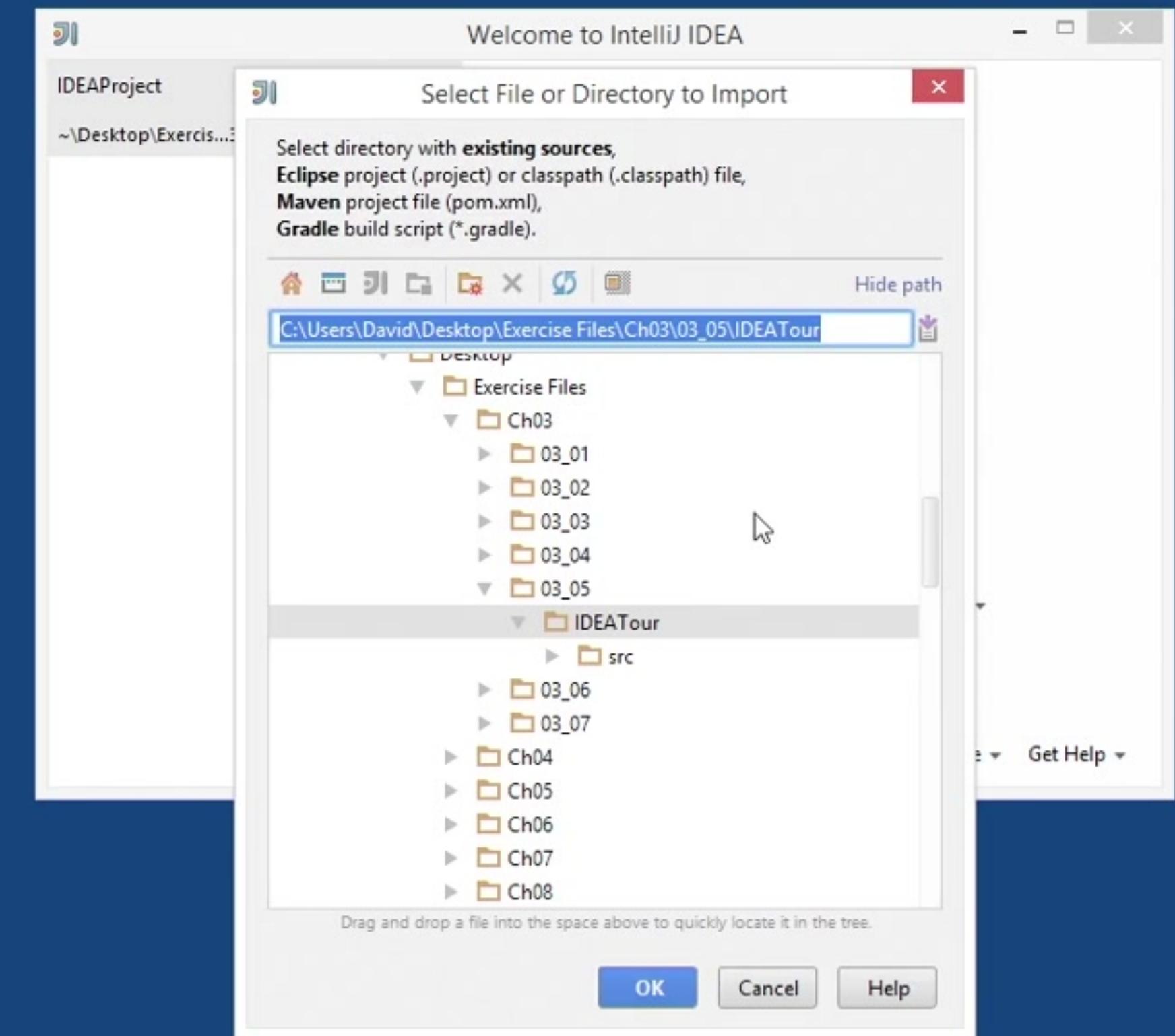




Recycle Bin



Exercise Files

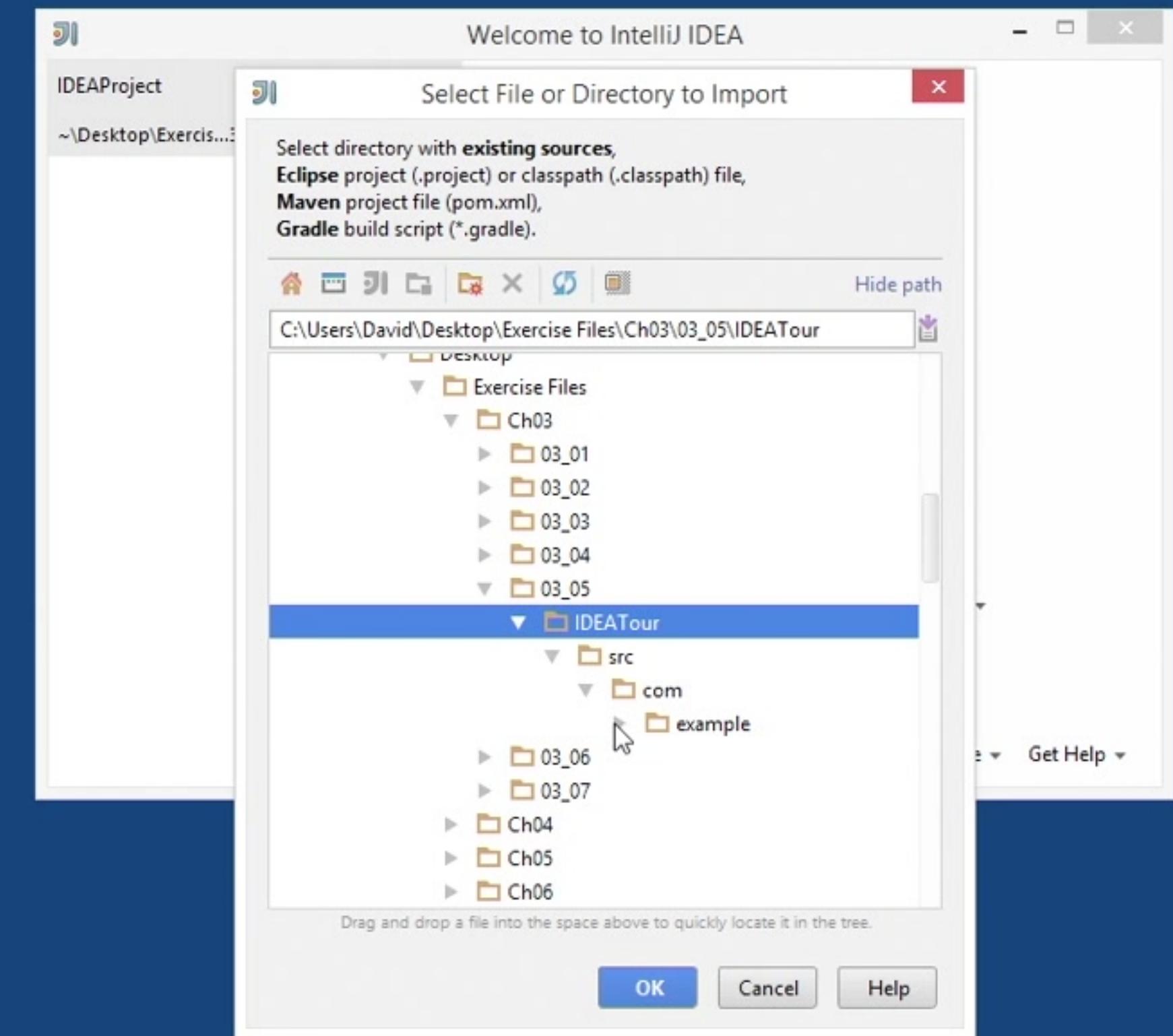


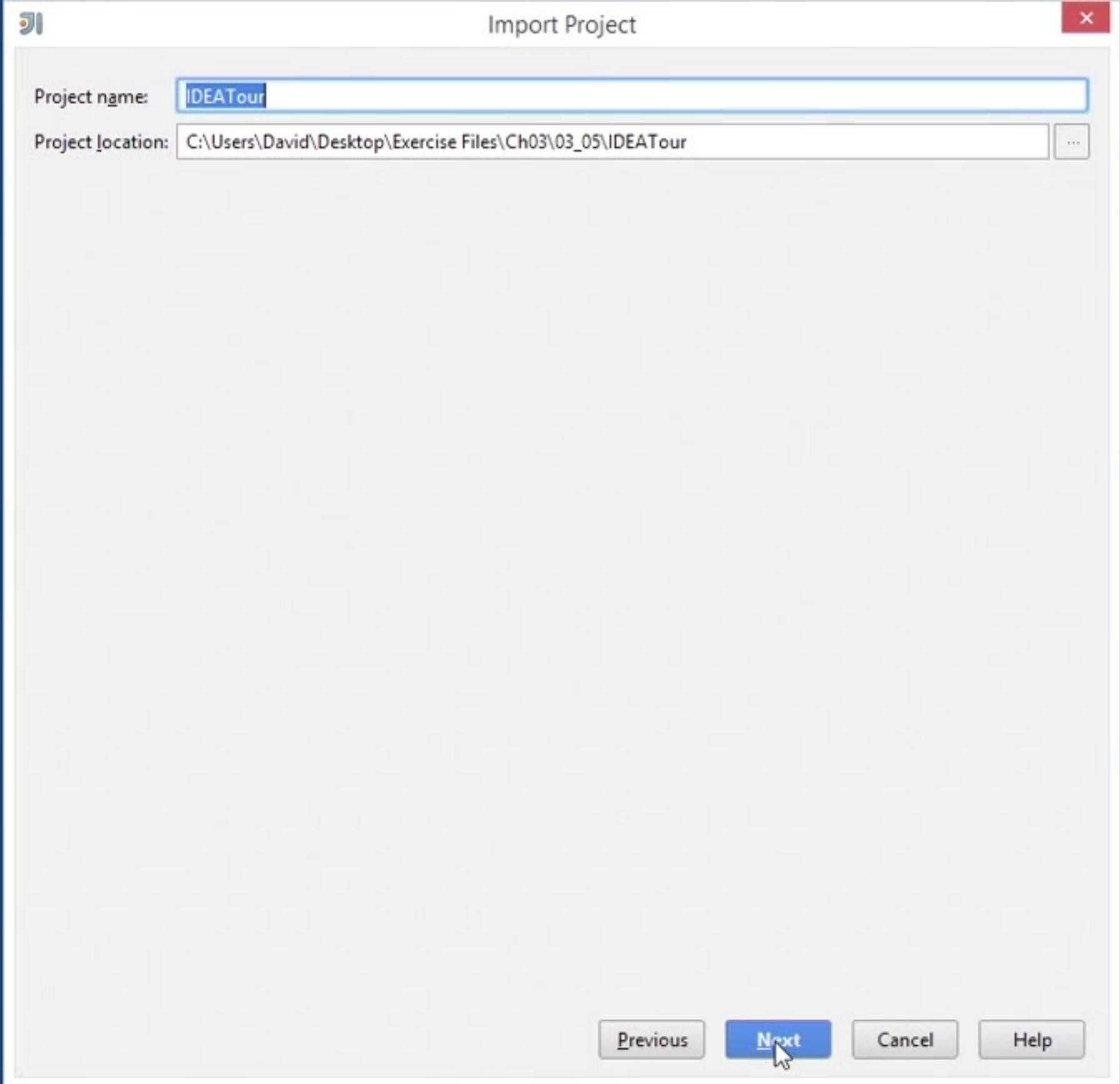


Recycle Bin



Exercise Files







IDEATour

Project

IDEATour (C:\Users\David\Desktop\Exercise Files\Ch03\03_05\IDEATour)

- ..idea
- src
- IDEATour.iml

External Libraries

No files are open

- Search Everywhere with Double Shift
- Open a file by name with Ctrl+Shift+N
- Open Recent Files with Ctrl+E
- Open Navigation Bar with Alt+Home
- Drag and Drop file(s) here from Explorer

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help



IDEATour > src > com > example > java > Main

Project

Project

Packages

Project Files

Problems

Production

Tests

Scratches

Main.java x

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10}
11
```

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help



IDEATour > src > com > example > java > Main

Project Files



```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

IDEATour.iml



IDEATour > IDEATour.iml

Problems

Project

Packages

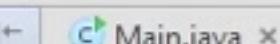
Project Files

Problems

Production

Tests

Scratches



Main.java x IDEATour.iml x



```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <module type="JAVA_MODULE" version="4">
3   <component name="NewModuleRootManager" inherit-compiler-output="true">
4     <exclude-output />
5     <content url="file://$MODULE_DIR$">
6       <sourceFolder url="file://$MODULE_DIR$/src" isTestSource="false" />
7     </content>
8     <orderEntry type="inheritedJdk" />
9     <orderEntry type="sourceFolder" forTests="false" />
10   </component>
11 </module>
```

Nothing to show

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help



IDEATour > src > com > example > java > Main

Packages



Main.java x

IDEATour
com.example.java
Main
Libraries

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

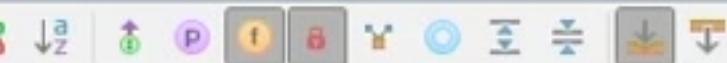
TODO
Event Log
Maven Projects
Terminal
Project
Structure
Ant Build
Favorites

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help



IDEATour > src > com > example > java > Main

Structure



>Main

main(String[]): void

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help



IDEATour > src > com > example > java > Main

1: Project

Structure

1: Structure

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10}
11
```

m Maven Projects

Ant Build

2: Favorites

Terminal 6: TODO

Event Log

5:24 CRLF: windows-1252



IDEATour

Project

IDEATour (C:\Users\David\Desktop\Exercise Files\Ch03)

- .idea
- src
- com.example.java
- Main
- IDEATour.iml

External Libraries

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

m

Maven Projects

Ant Build

Favorites



IDEATour

Project

- IDEATour (C:\Users\David\Desktop\Exercise Files\Ch03\03_05\IDEATour)
 - .idea
 - src
 - com.example.java
 - Main
- IDEATour.iml
- External Libraries

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

m

Maven Projects

Ant Build

Favorites



IDEATour

Project

- IDEATour (C:\Users\David\Desktop\Exercise Files\Ch03\03_05\IDEATour)
 - .idea
 - src
 - com.example.java
 - Main
- IDEATour.iml
- External Libraries

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

m

Maven Projects

Ant Build

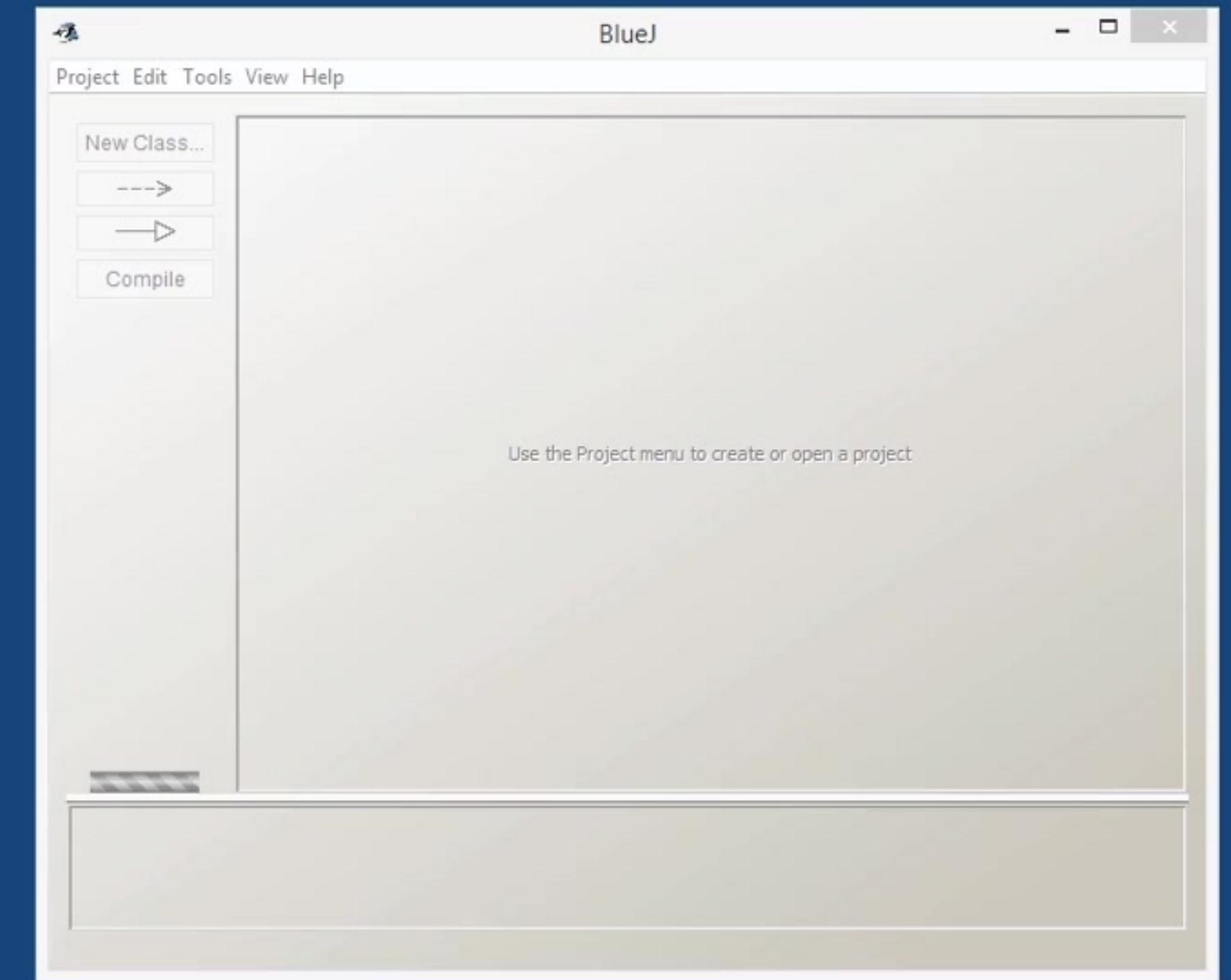
Favorites



Recycle Bin



Exercise Files

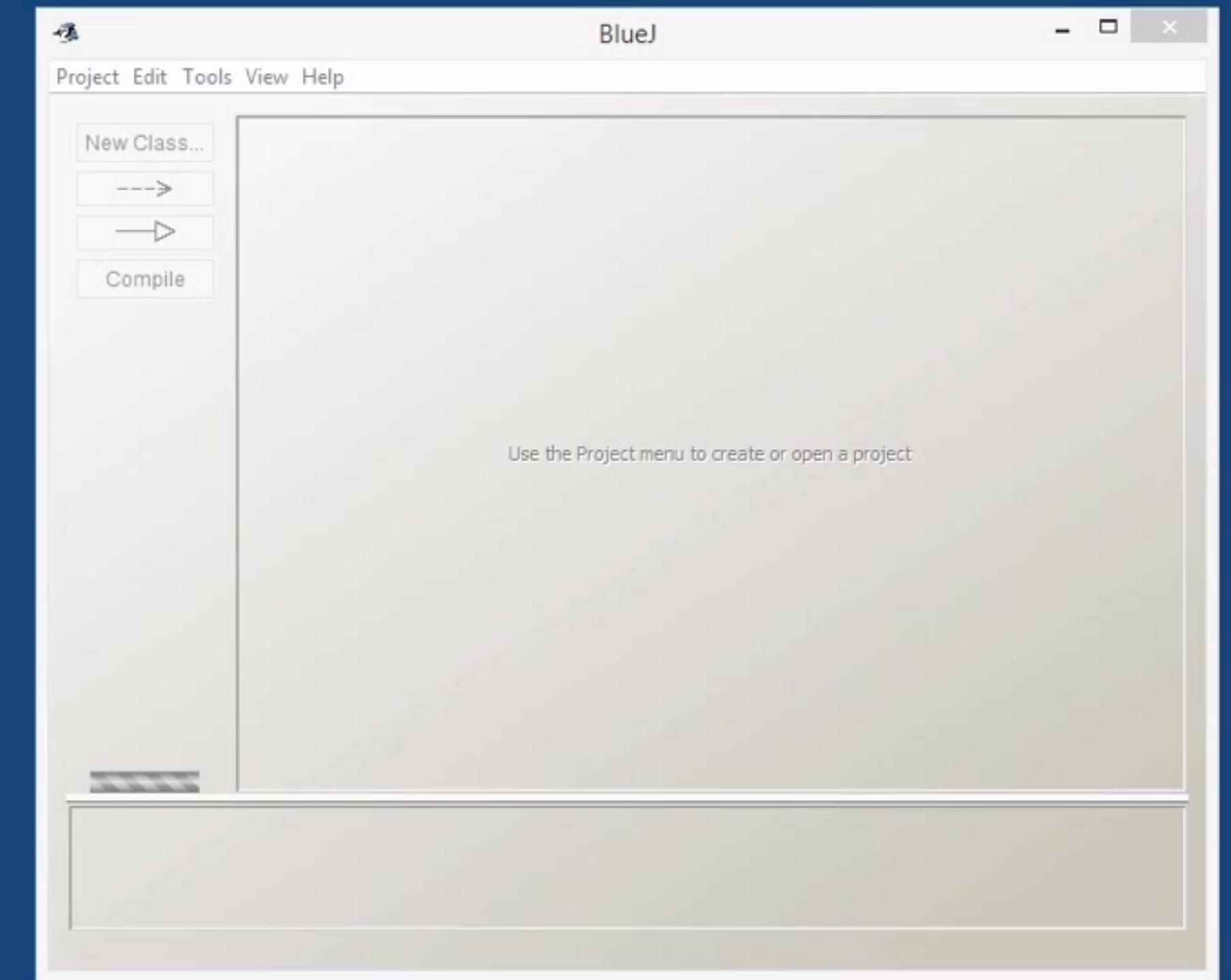




Recycle Bin



Exercise Files

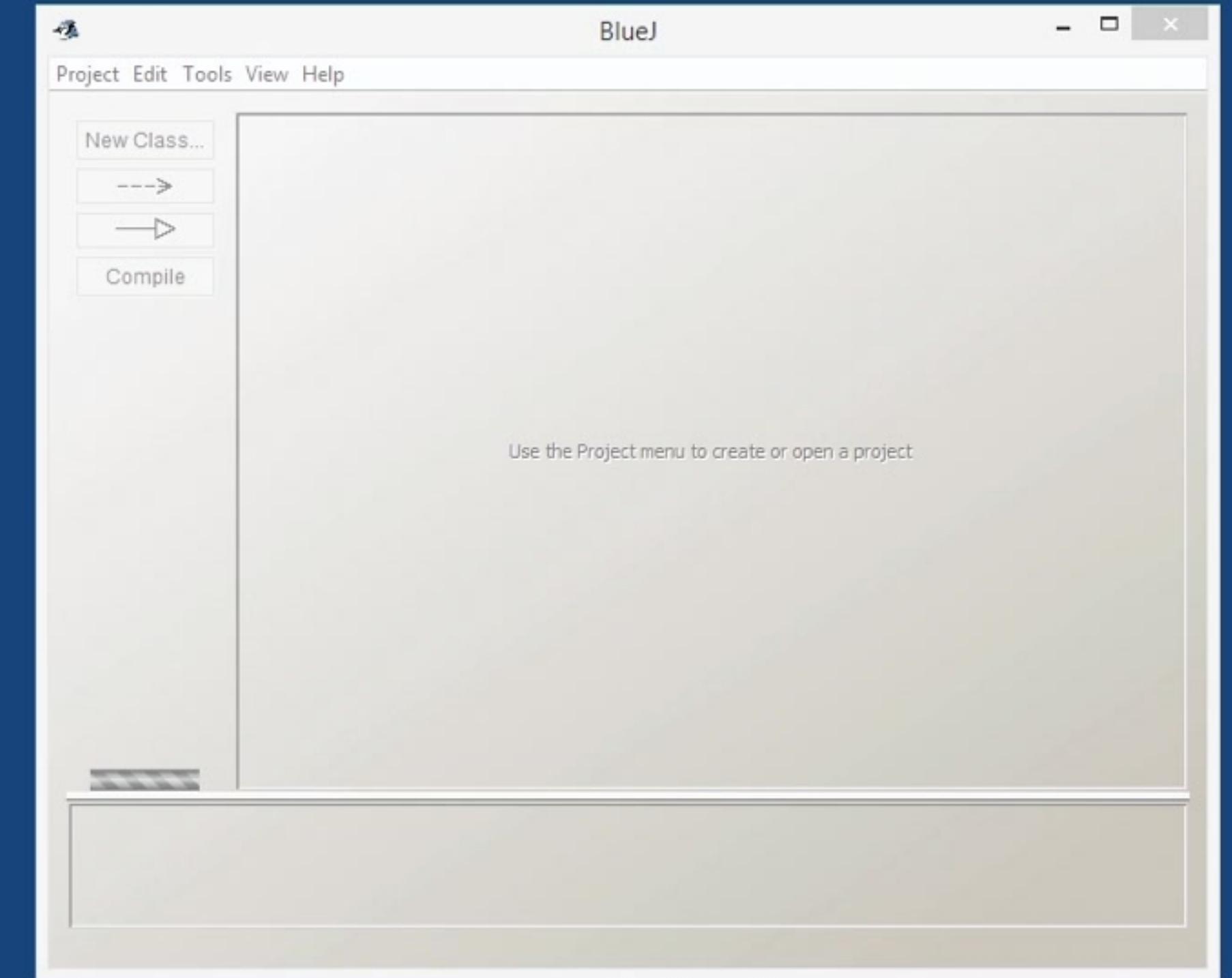




Recycle Bin



Exercise Files

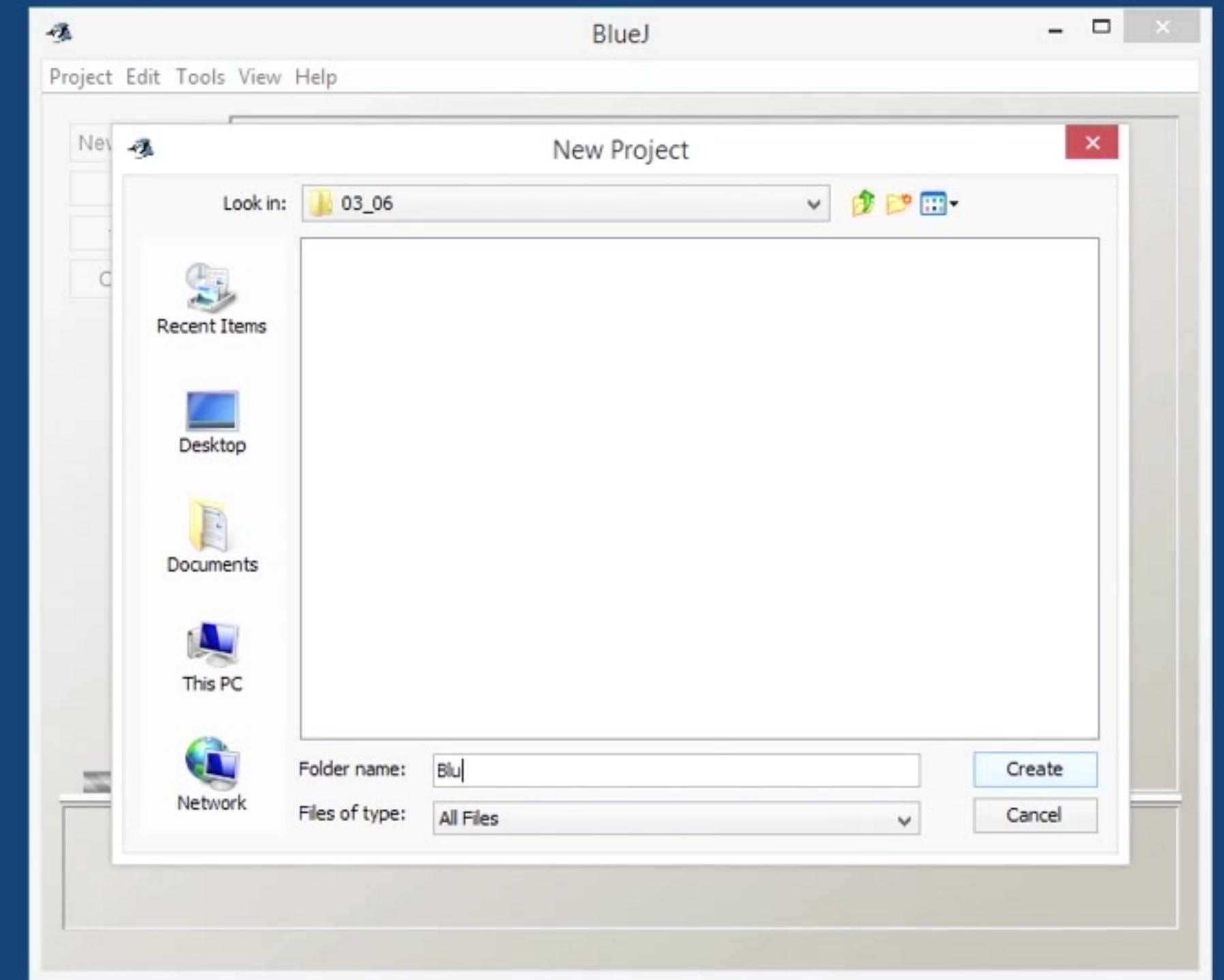




Recycle Bin



Exercise Files



Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

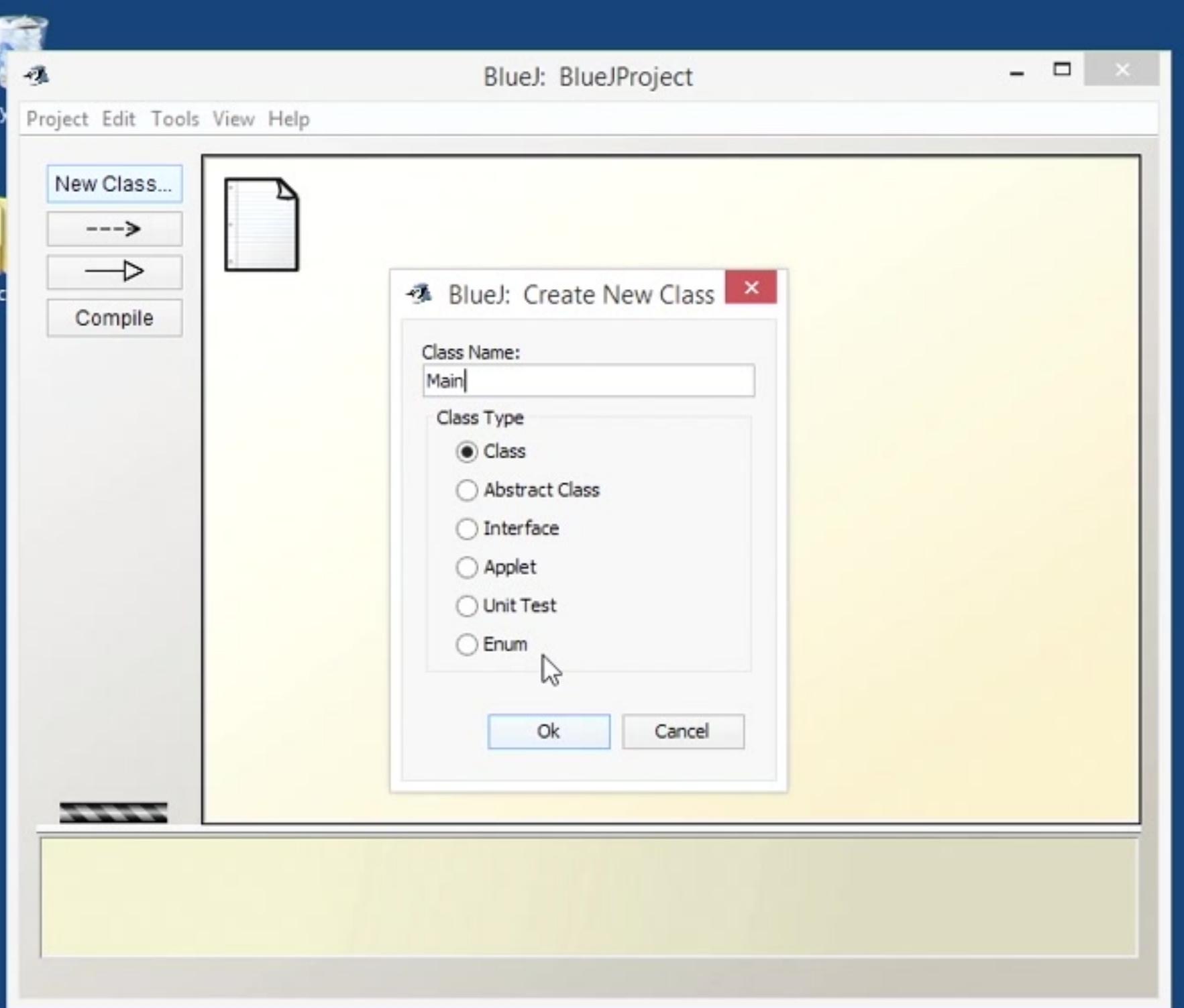
Source Code

1 -----
2 This is the project README file. Here, you should describe your project.
3 Tell the reader (someone who does not know anything about this project)
4 all he/she needs to know. The comments should usually include at least:
5 -----

6 PROJECT TITLE:
7 PURPOSE OF PROJECT:
8 VERSION or DATE:
9 HOW TO START THIS PROJECT:
10 AUTHORS:
11 USER INSTRUCTIONS:
12

Moe version 3.0.0

saved



Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

Source Code

```
1
2  /**
3   * Write a description of class Main here.
4   *
5   * @author (your name)
6   * @version (a version number or a date)
7   */
8 public class Main
9 {
10    // instance variables - replace the example below with your own
11    private int x;
12
13    /**
14     * Constructor for objects of class Main
15     */
16    public Main()
17    {
18        // initialise instance variables
19        x = 0;
20    }
21
22    /**
23     * An example of a method - replace this comment with your own
24     *
25     * @param y    a sample parameter for a method
26     * @return      the sum of x and y
27     */
28    public int sampleMethod(int y)
```

```
1
2  /**
3  * Write a description of class Main here.
4  *
5  * @author (your name)
6  * @version (a version number or a date)
7  */
8 public class Main
9 {
10    // instance variables - replace the example below with your own
11    private int x;
12
13    /**
14     * Constructor for objects of class Main
15     */
16    public Main()
17    {
18        // initialise instance variables
19        x = 0;
20    }
21
22    /**
23     * An example of a method - replace this comment with your own
24     *
25     * @param y    a sample parameter for a method
26     * @return      the sum of x and y
27     */
28    public int sampleMethod(int y)
```

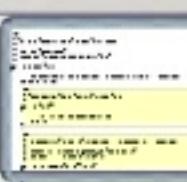


Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

Source Code

```
1
2 /**
3  * Write a description of class Main here.
4  *
5  * @author (your name)
6  * @version (a version number or a date)
7  */
8 public class Main
9 {
10    // instance variables - replace the example below with your own
11    private int x;
12    [
13    /**
14     * Constructor for objects of class Main
15     */
16    public Main()
17    {
18        // initialise instance variables
19        x = 0;
20    }
21
22    /**
23     * An example of a method - replace this comment with your own
24     *
25     * @param y    a sample parameter for a method
26     * @return      the sum of x and y
27     */
28    public int sampleMethod(int y)
```



Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

Source Code

```
7  /*
8  public class Main
9  {
10     // instance variables - replace the example below with your own
11     private int x;
12
13    /**
14     * Constructor for objects of class Main
15     */
16    public Main()
17    {
18        // initialise instance variables
19        x = 0;
20    }
21
22    /**
23     * An example of a method - replace this comment with your own
24     *
25     * @param y    a sample parameter for a method
26     * @return      the sum of x and y
27     */
28    public int sampleMethod(int y)
29    {
30        // put your code here
31        return x + y;
32    }
33
34 }
```

Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

Source Code

```
9 {
10    // instance variables - replace the example below with your own
11    private int x;
12
13    /**
14     * Constructor for objects of class Main
15     */
16    public Main()
17    {
18        // initialise instance variables
19        x = 0;
20    }
21
22    /**
23     * An example of a method - replace this comment with your own
24     *
25     * @param y    a sample parameter for a method
26     * @return      the sum of x and y
27     */
28    public int sampleMethod(int y)
29    {
30        // put your code here
31        return x + y;
32    }
33
34    public st
35 }
36
```

Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

Source Code

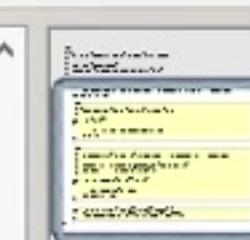
```
9 {
10    // instance variables - replace the example below with your own
11    private int x;
12
13    /**
14     * Constructor for objects of class Main
15     */
16    public Main()
17    {
18        // initialise instance variables
19        x = 0;
20    }
21
22    /**
23     * An example of a method - replace this comment with your own
24     *
25     * @param y    a sample parameter for a method
26     * @return      the sum of x and y
27     */
28    public int sampleMethod(int y)
29    {
30        // put your code here
31        return x + y;
32    }
33
34    public static void main(String[] args) {
35        System.out.println
36    }
```

Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

Source Code

```
11  private int x;  
12  
13  /**  
14   * Constructor for objects of class Main  
15   */  
16  public Main()  
17  {  
18      // initialise instance variables  
19      x = 0;  
20  }  
21  
22  /**  
23   * An example of a method - replace this comment with your own  
24   *  
25   * @param y      a sample parameter for a method  
26   * @return       the sum of x and y  
27   */  
28  public int sampleMethod(int y)  
29  {  
30      // put your code here  
31      return x + y;  
32  }  
33  
34  public static void main(String[] args) {  
35      System.out.println("Hello from BlueJ!");  
36  }  
37  
38
```



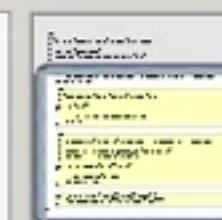
Class Edit Tools Options

Compile Undo Cut Copy Paste Find... Close

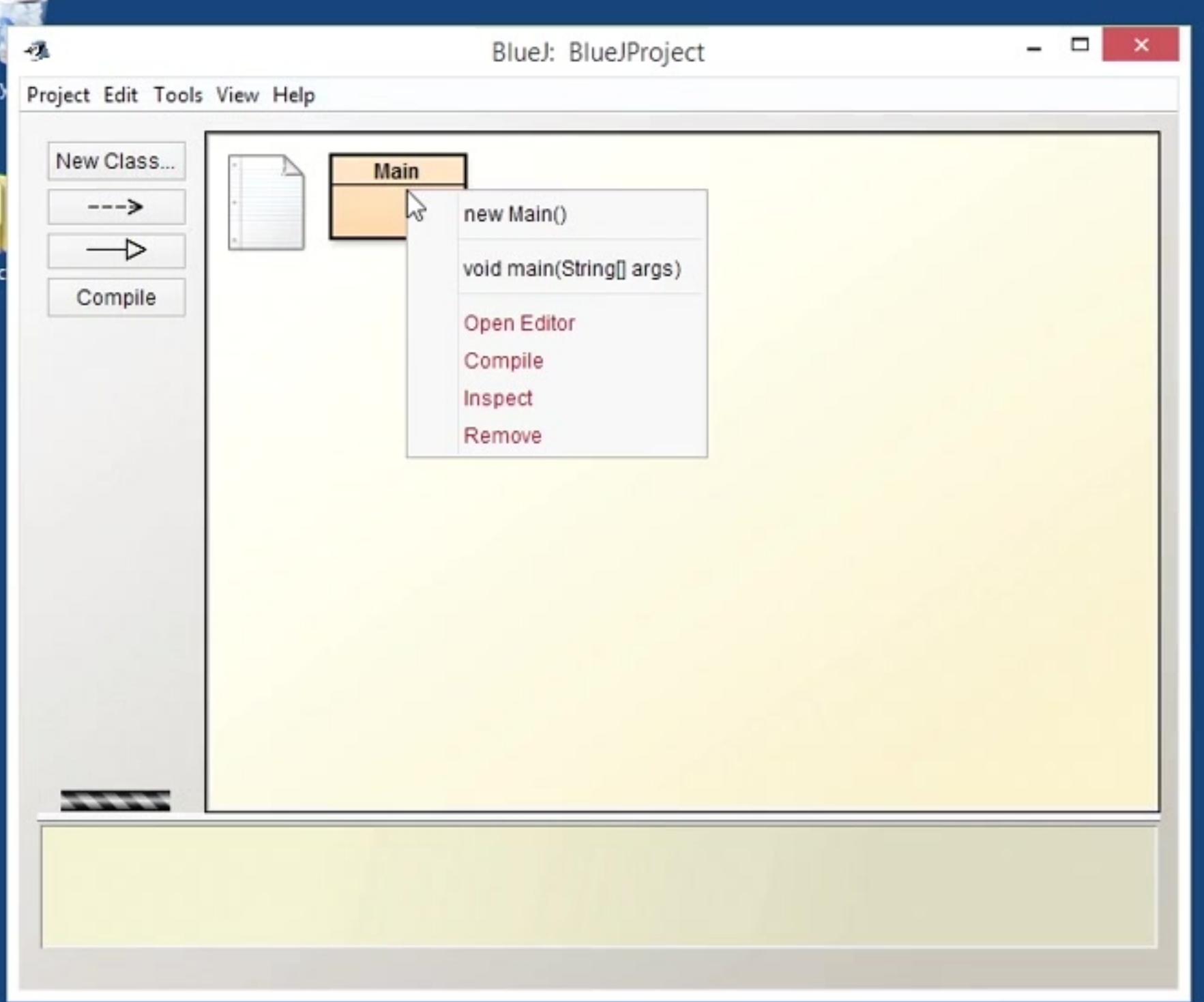
Source Code

```
11  private int x;  
12  
13  /**  
14   * Constructor for objects of class Main  
15   */  
16  public Main()  
17  {  
18      // initialise instance variables  
19      x = 0;  
20  }  
21  
22  /**  
23   * An example of a method - replace this comment with your own  
24   *  
25   * @param y      a sample parameter for a method  
26   * @return       the sum of x and y  
27   */  
28  public int sampleMethod(int y)  
29  {  
30      // put your code here  
31      return x + y;  
32  }  
33  
34  public static void main(String[] args) {  
35      System.out.println("Hello from BlueJ!");  
36  }  
37  
38
```

';' expected



Link? saved

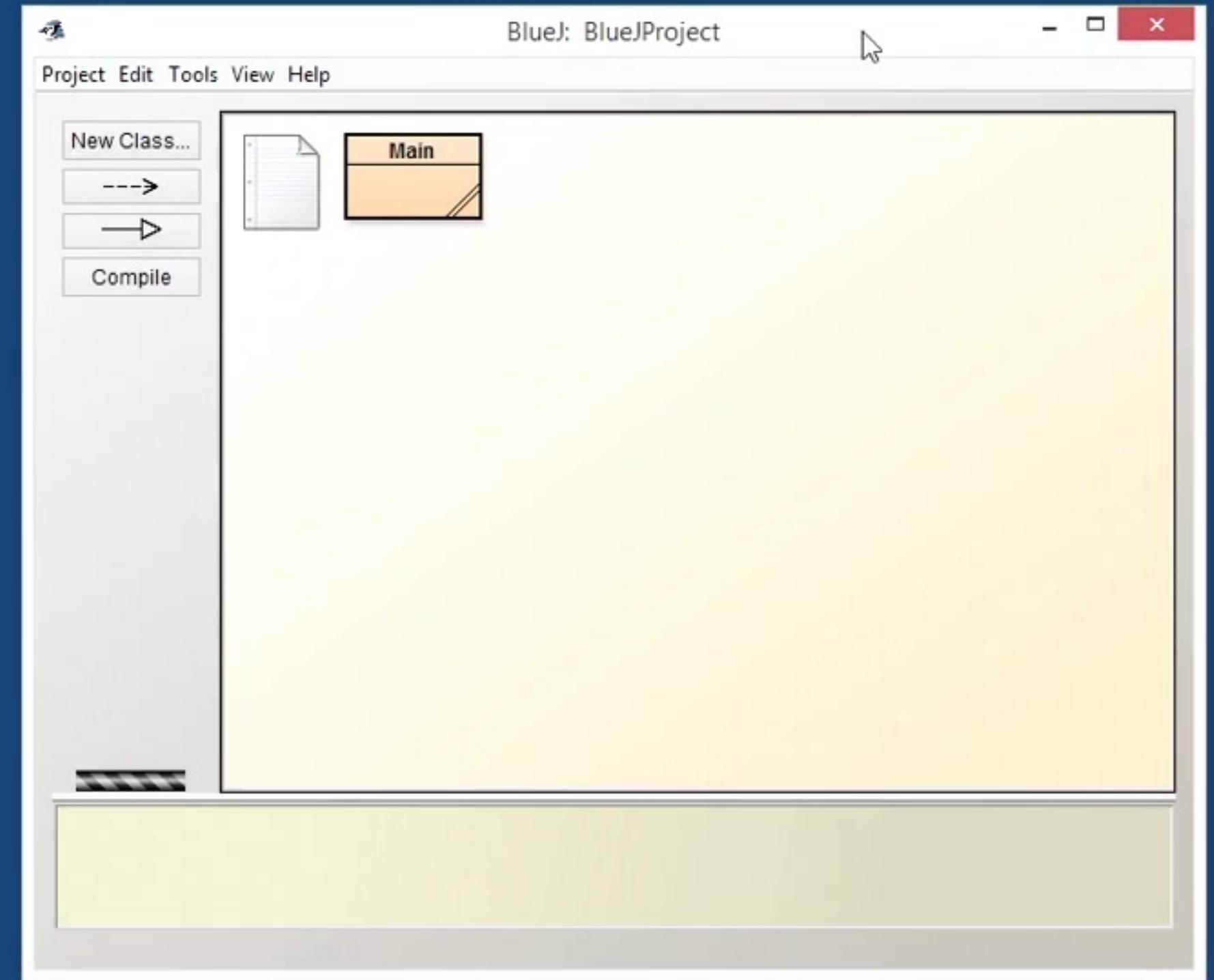




Recycle Bin



Exercise Files

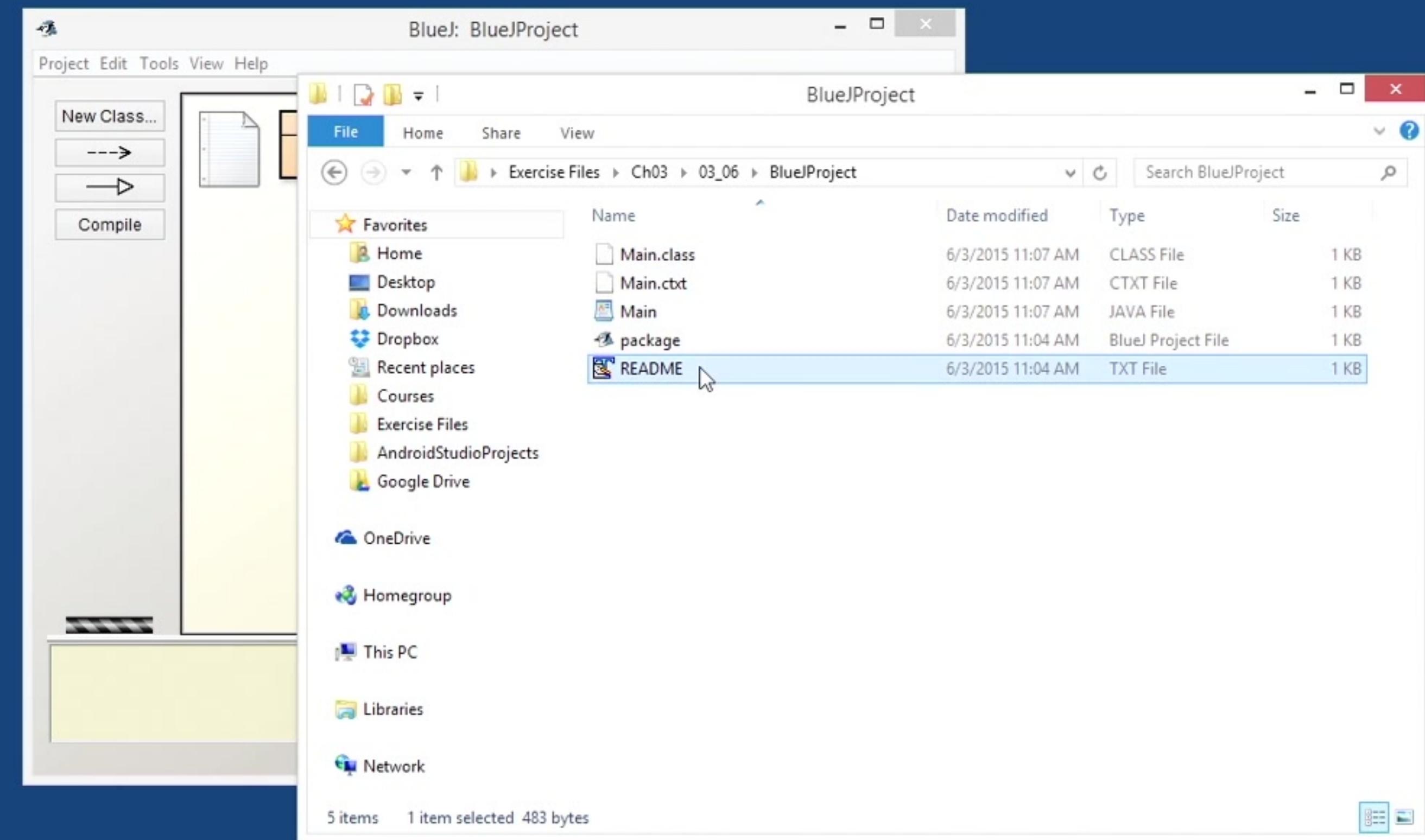




Recycle Bin



Exercise Files

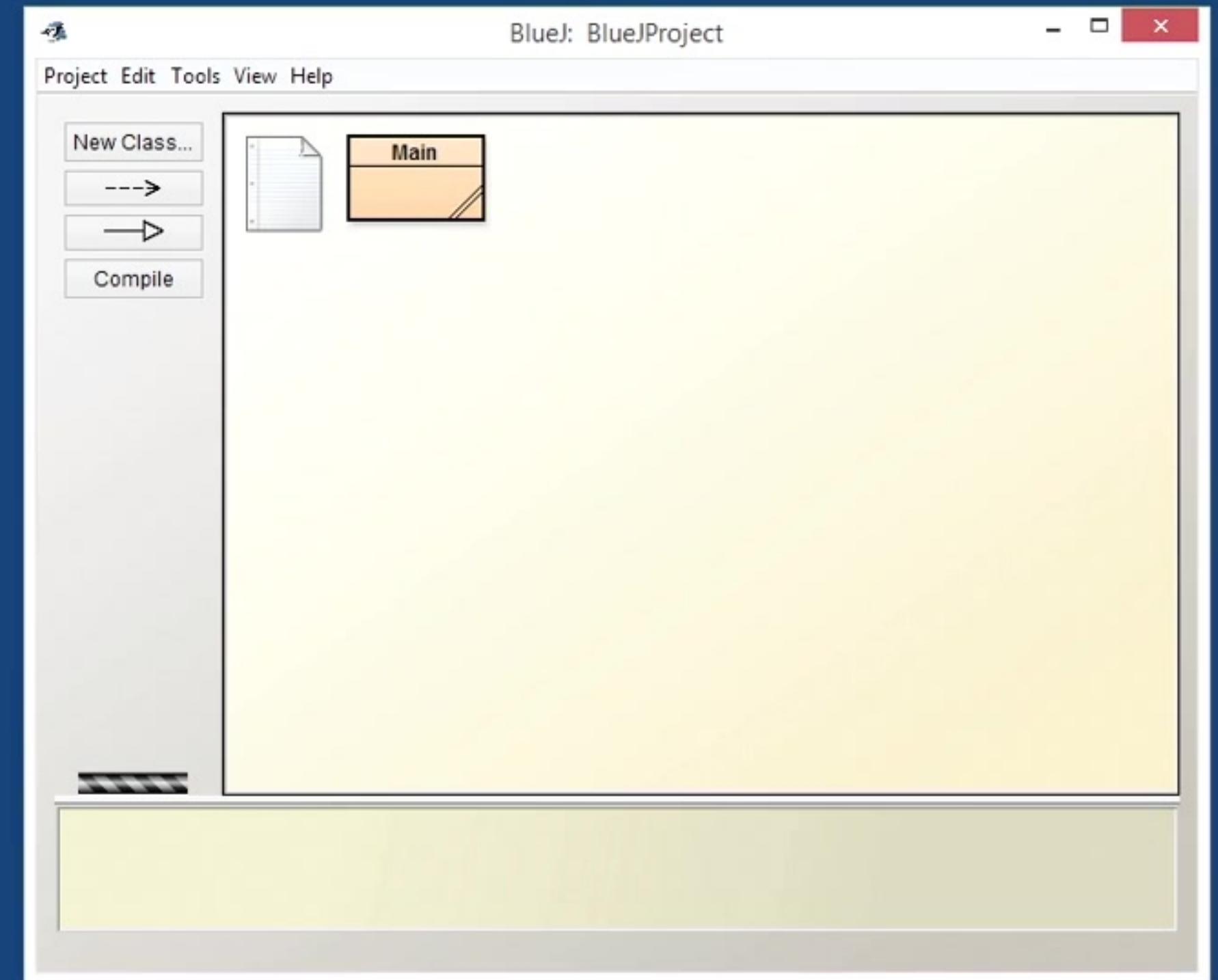




Recycle Bin



Exercise Files

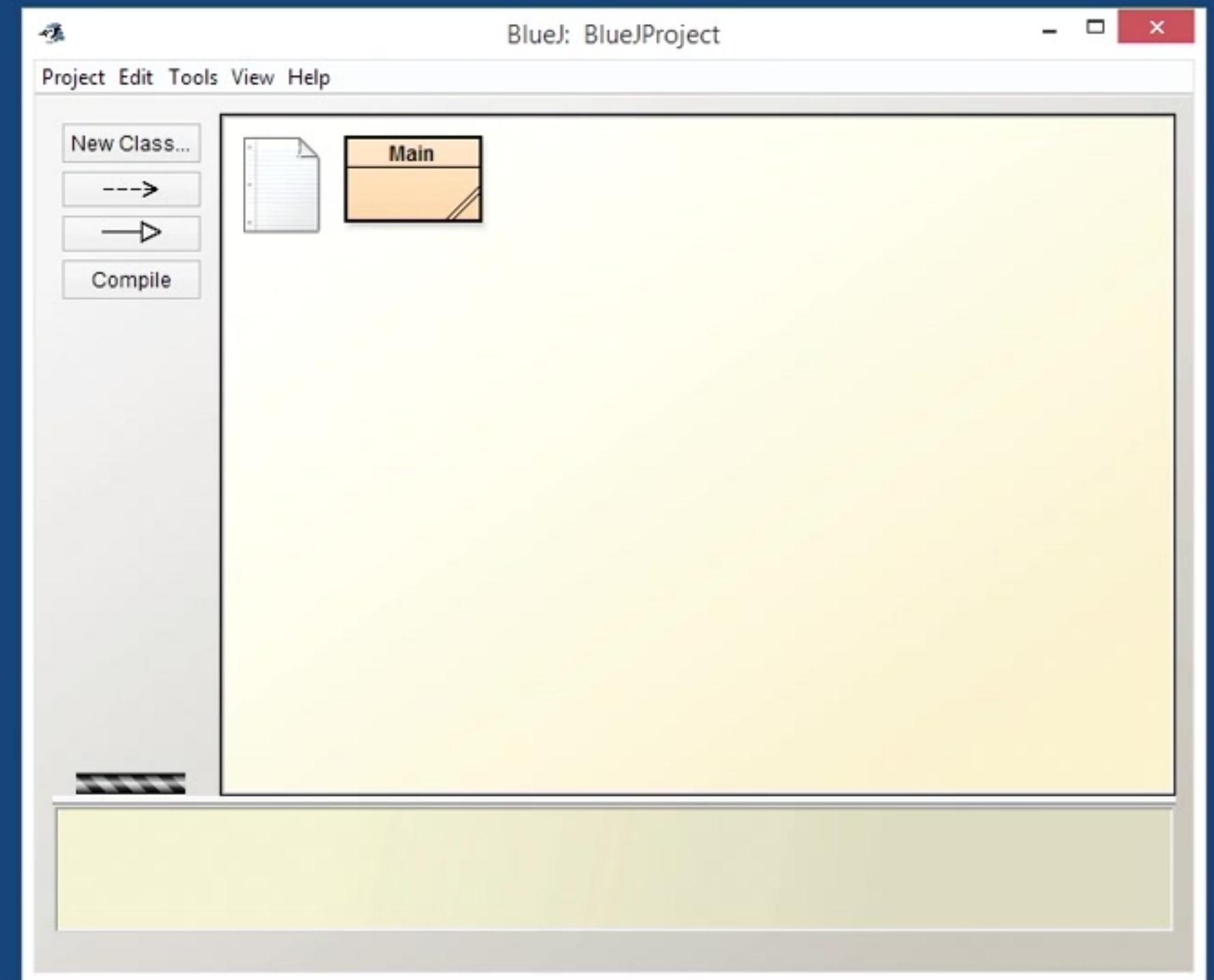




Recycle Bin



Exercise Files



Documentation - [C:\Users\David\Desktop\Exercise Files\Ch03\03_07\Documentation] - [Documentation] - ...src\com\example\java\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Documentation src com example java Main

Project Documentation (C:\Users\David\Desktop\Exercise File .idea src com.example.java Main Documentation.iml External Libraries

Main.java

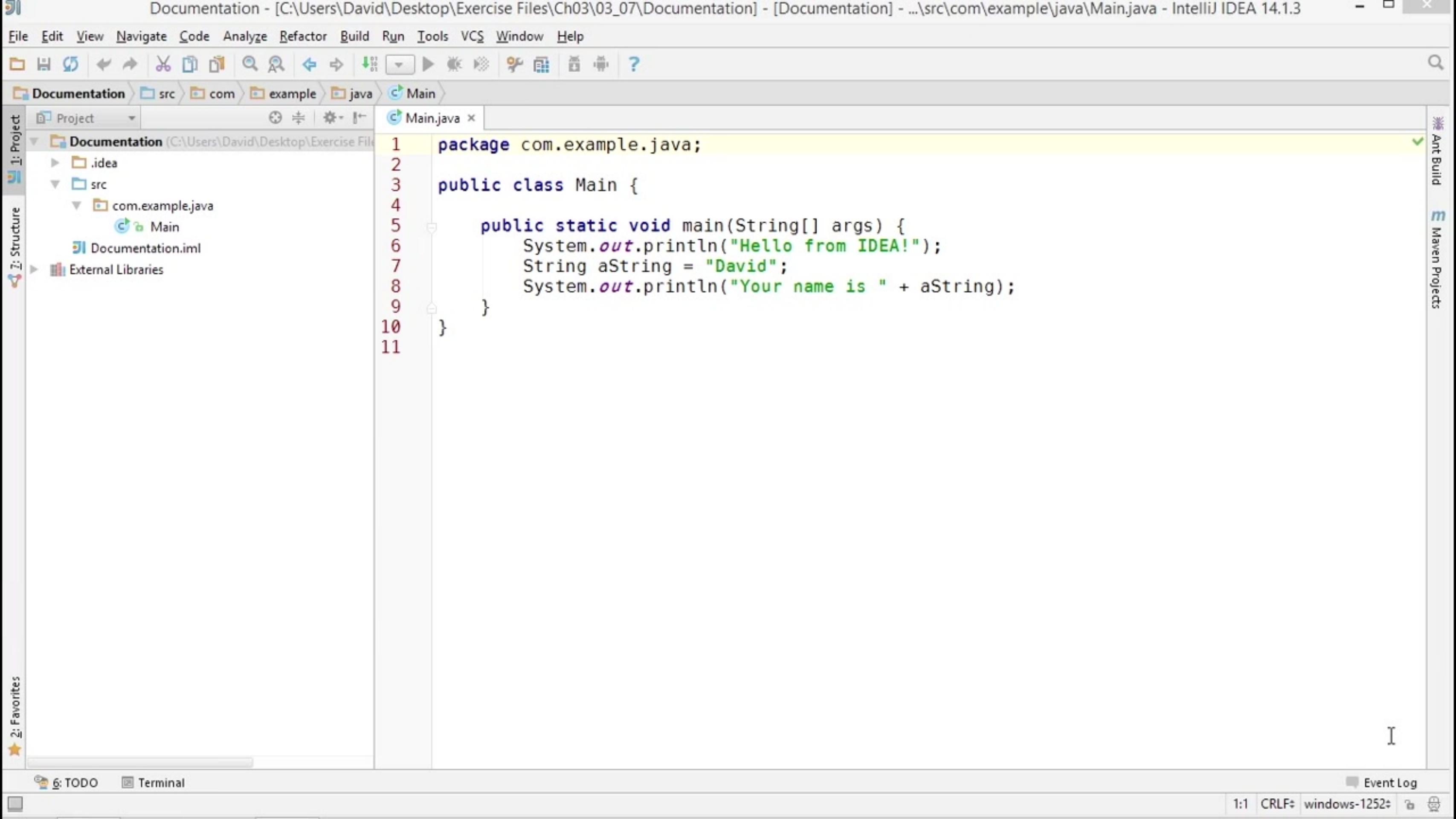
```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

Ant Build Maven Projects

Favorites

TODO Terminal Event Log

1:1 CRLF windows-1252



The screenshot shows the IntelliJ IDEA interface with a Java file named Main.java open. The code prints "Hello from IDEA!" and then "Your name is David". The code editor has syntax highlighting and line numbers. The project structure on the left shows a package named com.example.java containing a Main class. The right side of the interface shows build-related buttons and tabs for Ant Build and Maven Projects.

Documentation - [C:\Users\David\Desktop\Exercise Files\Ch03\03_07\Documentation] - [Documentation] - ...src\com\example\java\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Documentation src com example java Main

Project Documentation (C:\Users\David\Desktop\Exercise File .idea src com.example.java Main Documentation.iml External Libraries

Main.java

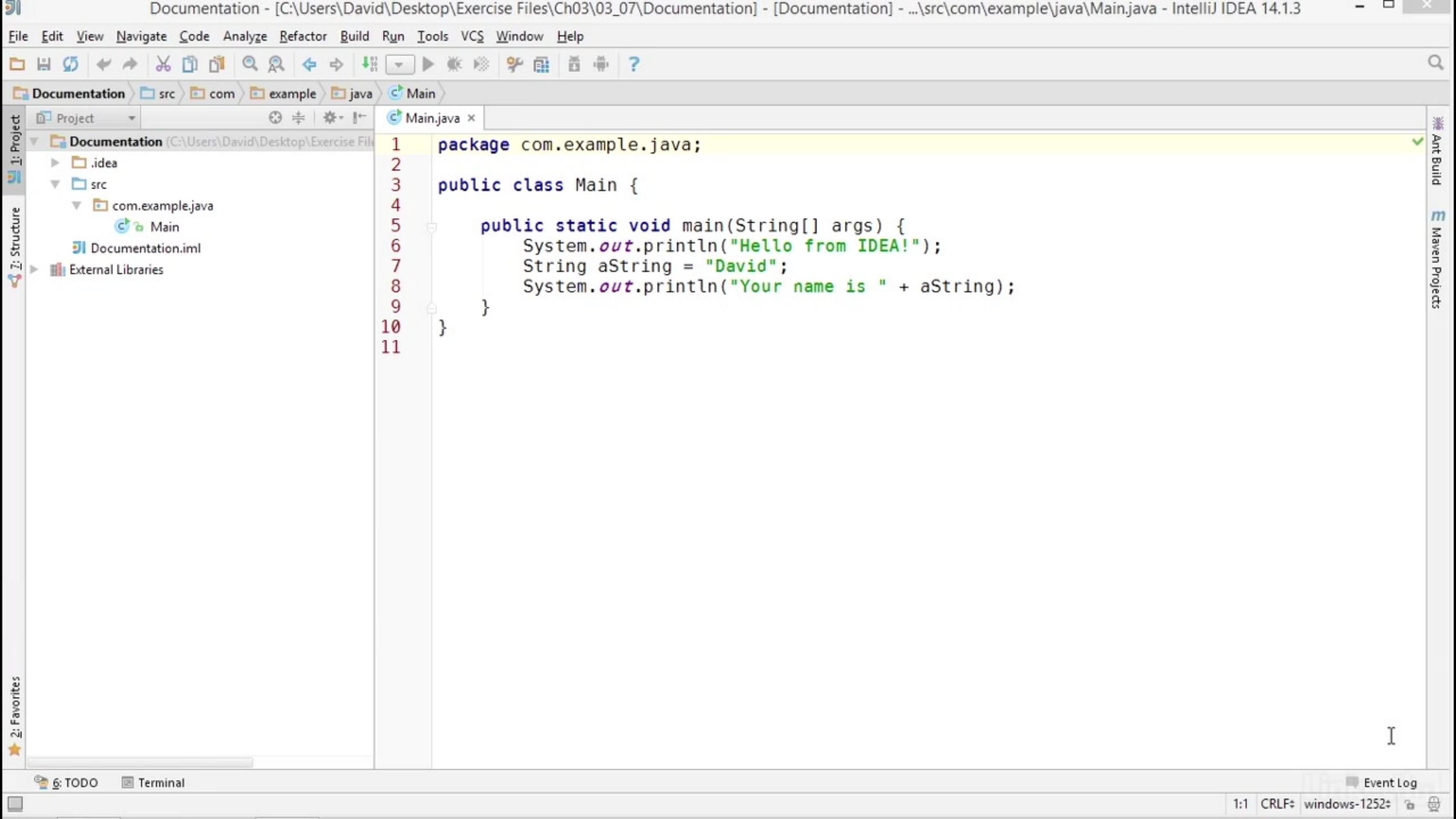
```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

Ant Build Maven Projects

Favorites

TODO Terminal Event Log

1:1 CRLF windows-1252



The screenshot shows the IntelliJ IDEA interface with a Java file named Main.java open. The code prints "Hello from IDEA!" and then "Your name is David". The code editor has syntax highlighting and line numbers. The project structure on the left shows a package named com.example.java containing a Main class. The right side of the interface shows build-related icons for Ant Build and Maven Projects.

Documentation - [C:\Users\David\Desktop\Exercise Files\Ch03\03_07\Documentation] - [Documentation] - ...src\com\example\java\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Documentation src com example java Main

Project Documentation (C:\Users\David\Desktop\Exercise File .idea src com.example.java Main Documentation.iml External Libraries

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

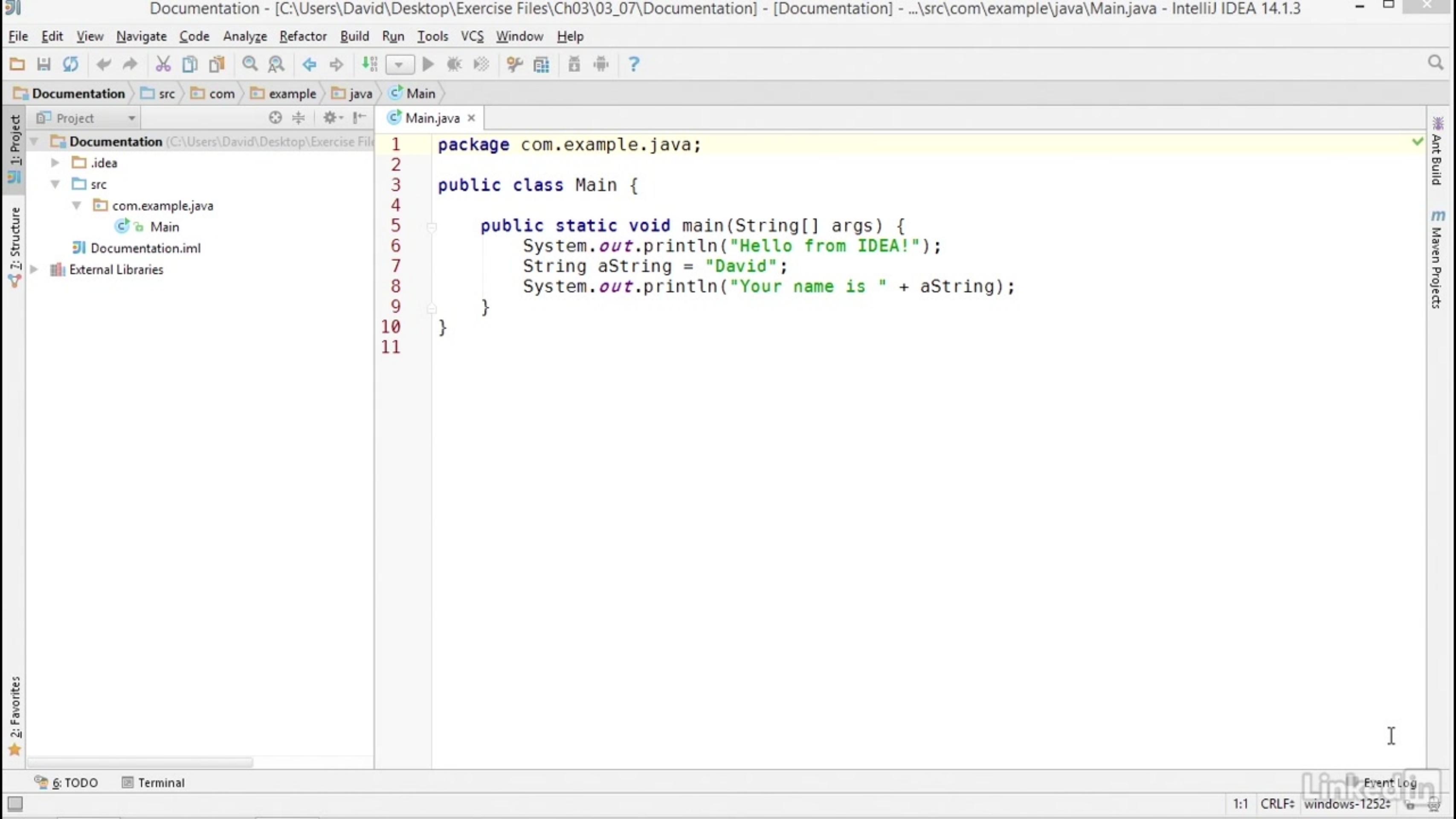
Ant Build Maven Projects

Favorites

TODO Terminal Event Log

1:1 CRLF windows-1252

LinkedIn

The screenshot shows the IntelliJ IDEA interface with a Java file named Main.java open. The code prints "Hello from IDEA!" and then "Your name is David". The code editor has syntax highlighting and line numbers. The project structure on the left shows a 'Documentation' folder containing an 'idea' folder, a 'src' folder with a 'com.example.java' package containing a 'Main' class, and a 'Documentation.iml' file. The 'External Libraries' section is empty. The bottom navigation bar includes 'TODO', 'Terminal', and 'Event Log' tabs. A 'LinkedIn' logo is visible in the bottom right corner.

Documentation - [C:\Users\David\Desktop\Exercise Files\Ch03\03_07\Documentation] - [Documentation] - ...src\com\example\java\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Documentation src com example java Main

Project Documentation (C:\Users\David\Desktop\Exercise File .idea src com.example.java Main Documentation.iml External Libraries

Main.java

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

Ant Build Maven Projects

Favorites

TODO Terminal Event Log

6:10 CRLF windows-1252

The screenshot shows an IntelliJ IDEA 14.1.3 interface with the following details:

- Project Structure:** The left sidebar shows a project named "Documentation" with subfolders ".idea", "src", "com", "example", "java", and "Main". A file "Documentation.iml" is also listed under "src".
- Code Editor:** The main window displays the "Main.java" file. The code is as follows:

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```
- Toolbars and Status Bar:** The top and bottom bars contain standard IntelliJ IDEA icons and status information (e.g., "6:10 CRLF windows-1252").
- Right Sidebar:** The "Ant Build" and "Maven Projects" sections are visible on the right side of the interface.

Documentation - [C:\Users\David\Desktop\Exercise Files\Ch03\03_07\Documentation] - [Documentation] - ...src\com\example\java\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Documentation src com example java Main

Project Documentation (C:\Users\David\Desktop\Exercise File .idea src com.example.java Main Documentation.iml External Libraries

Main.java

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1 package com.example.java;
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3 public class Main {
4
5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7     }
8 }
9
10 }
11 }
```

Documentation for System

java.lang

public final class System
extends java.lang.Object

The System class contains several useful class fields and methods. It cannot be instantiated.

Among the facilities provided by the System class are standard input, standard output, and error output streams; access to externally defined properties and environment variables; a means of loading files and libraries; and a utility method for quickly copying a portion of an array.

Since:

JDK1.0

TODO Terminal

6:10 CRLF windows-1252

LinkedIn Event Log

Documentation - [C:\Users\David\Desktop\Exercise Files\Ch03\03_07\Documentation] - [Documentation] - ...src\com\example\java\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Documentation src com example java Main

Project Documentation (C:\Users\David\Desktop\Exercise File .idea src com.example.java Main Documentation.iml External Libraries

Main.java

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5     public static void main(String[] args) {
6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

Ant Build Maven Projects

TODO Terminal Event Log

11:1 CRLF windows-1252

This screenshot shows the IntelliJ IDEA 14.1.3 interface with a Java project named 'Documentation'. The 'Main.java' file is open in the editor. The code prints 'Hello from IDEA!' and 'Your name is David'. The line '11' is highlighted with a yellow background. The 'Favorites' and 'Structure' toolbars are visible on the left, and the 'Ant Build' and 'Maven Projects' buttons are on the right. The bottom status bar shows the file is 11 lines long, uses CRLF line endings, and is in windows-1252 encoding.

Java Programming Langu x David - x

← → C ⌂ docs.oracle.com/javase/8/docs/technotes/guides/language/index.html

Java Platform Stand... Java SE - Download... Other bookmarks

ORACLE  Java™ Documentation

Oracle Technology Network Software Downloads Documentation Search

Java™ Programming Language

The Java™ Programming Language is a general-purpose, concurrent, strongly typed, class-based object-oriented language. It is normally compiled to the bytecode instruction set and binary format defined in the Java Virtual Machine Specification.

Tutorials and Programmer's Guides

- [The Java Tutorial](#)

API Enhancements

- Enhancements in Java SE 8
- Enhancements in Java SE 7
- Enhancements in Java SE 6
- Enhancements in Java SE 5.0
- Enhancements in J2SE 1.4

More Information

- Java Language Specification
- Generics by Gilad Bracha.

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docs.oracle.com/javase/tutorial/index.html



- JDK 8 Release Notes

Tutorials and Training



- The Java Tutorials
- Java Training

More Information



- Java SE 8 Names and Version Numbers
- Java SE White Papers
- Documentation
- Accessibility
- Specifications
- Installation
- Instructions
- Certified System Configurations
- Compatibility Guide
- Known Issues
- JDK 8 Adoption Guide
- Troubleshooting Guide
- About Test / Sample Applications and Code

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Resources

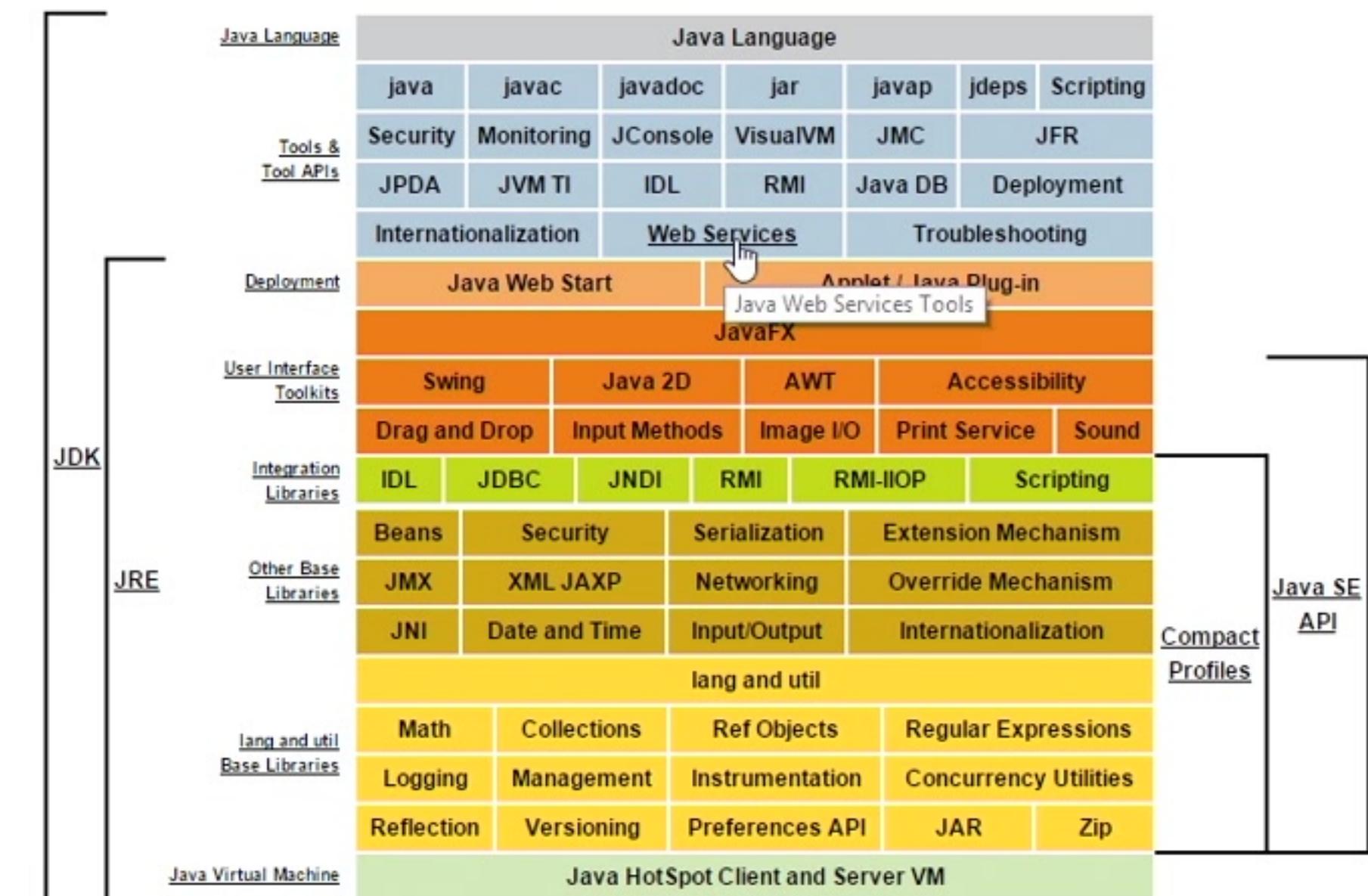


- Oracle Java SE
- Advanced and Oracle

specification, including documentation for standard Java components.

The following conceptual diagram illustrates the components of Oracle's Java SE products:

Description of Java Conceptual Diagram



Web Tier
Java Card
Java TV
New to Java
Community
Java Magazine

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NetBeans with JDK 8



Java Platform, Standard Edition

Java SE 8u45

This release includes important security fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release
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 - JDK ReadMe
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JDK[DOWNLOAD](#)**Server JRE**[DOWNLOAD](#)**JRE**[DOWNLOAD](#)

Which Java package do I need?

- **Software Developers:** JDK (Java SE Development Kit). For Java Developers. Includes a complete JRE plus tools for developing, debugging, and monitoring Java applications.
- **Administrators running applications on a server:** Server JRE (Server Java Runtime Environment) For deploying Java applications on servers. Includes tools for JVM monitoring and tools commonly required for server applications, but does not include browser integration (the Java plug-in), auto-update, nor an installer. [Learn more](#)
- **End user running Java on a desktop:** JRE: (Java Runtime Environment). Covers most end-users needs. Contains everything required to run Java applications on your system.

Java SE 7u79/80

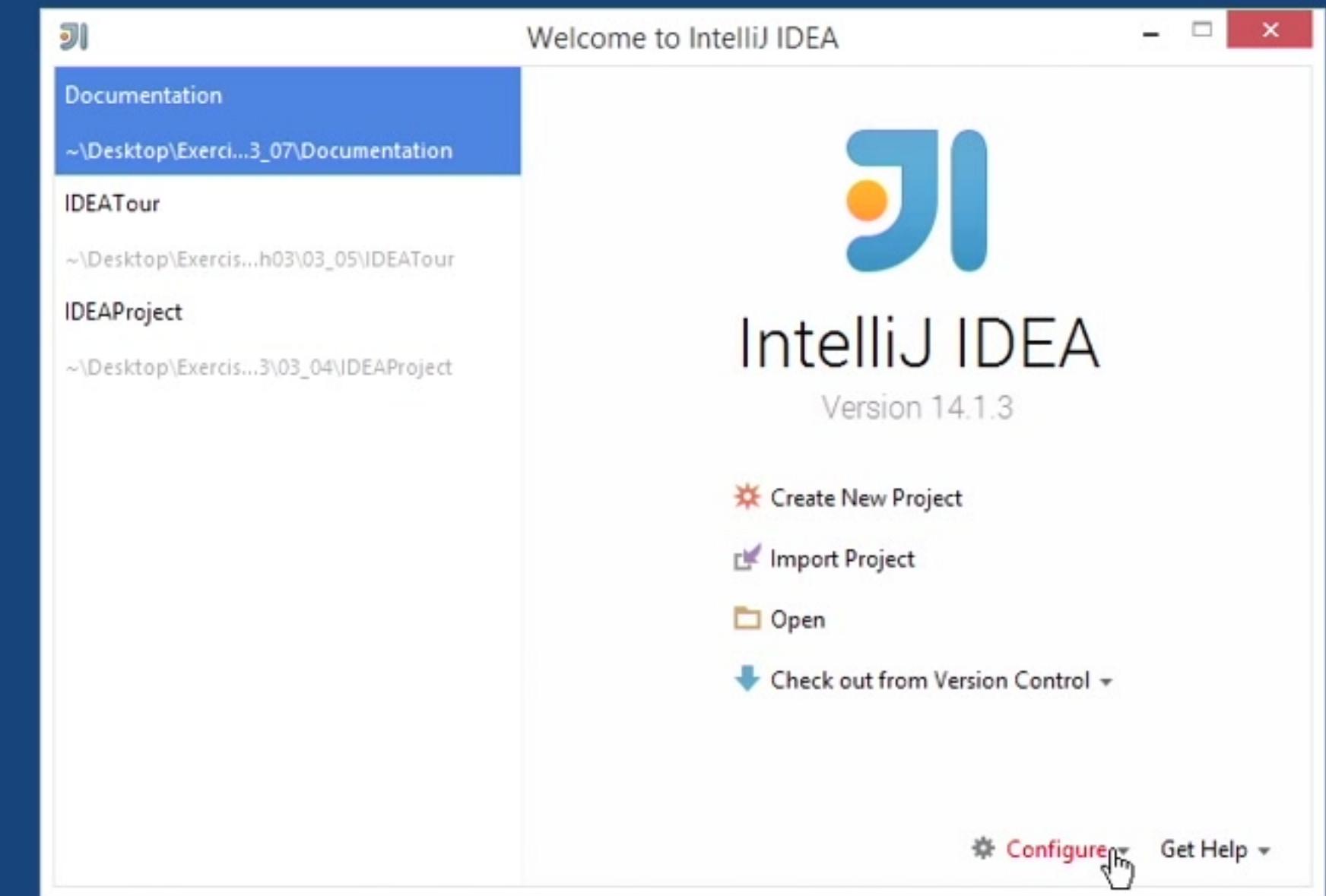
[Auto-update Notice & End of Public Updates for Oracle JDK 7](#)



Recycle Bin



Exercise Files



Default Project Structure

Project Settings

Project

Libraries

Platform Settings

SDKs

Global Libraries

Problems

Name: 1.8

JDK home path: C:\Program Files\Java\jdk1.8.0_45

Classpath Sourcepath Annotations Documentation Paths

- C:\Program Files\Java\jdk1.8.0_45\jre\lib\charsets.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\deploy.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\javaws.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\jce.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\jfr.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\fxswt.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\jsse.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\management-agent.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\plugin.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\resources.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\rt.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\access-bridge-64.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\cldrdata.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\dnsns.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\jaccess.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\fxrt.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\locatedata.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\nashorn.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunec.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunjce_provider.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunmscapi.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\sunpkcs11.jar
- C:\Program Files\Java\jdk1.8.0_45\jre\lib\ext\zipfs.jar

OK Cancel Apply Help



Recycle Bin



Exercise Files

Default Project Structure

Name: 1.8

JDK home path: C:\Program Files\Java\jdk1.8.0_45

Classpath Sourcepath Annotations Documentation Paths

http://docs.oracle.com/javase/8/docs/api

Specify Documentation URL

Enter documentation URL:
http://docs.oracle.com/javase/8/docs/api

OK Cancel

OK Cancel Apply Help

Project Settings

Project Libraries

Platform Settings

SDKs

Global Libraries

Problems

1.8

+

-

+

-

+

Documentation - [C:\Users\David\Desktop\Exercise Files\Ch03\03_07\Documentation] - [Documentation] - ...src\com\example\java\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Documentation src com example java Main

Project Documentation (C:\Users\David\Desktop\Exercise File .idea src com.example.java Main Documentation.iml External Libraries

Main.java

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3 public class Main {
4
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6         System.out.println("Hello from IDEA!");
7         String aString = "David";
8         System.out.println("Your name is " + aString);
9     }
10 }
11
```

Ant Build Maven Projects

Favorites

TODO Terminal Event Log

6:13 CRLF windows-1252

This screenshot shows the IntelliJ IDEA 14.1.3 interface with a Java project named 'Documentation'. The 'Main.java' file is open in the editor. The code prints 'Hello from IDEA!' and 'Your name is David' to the console. A yellow highlight covers the entire code block from line 6 to line 8. A small yellow lightbulb icon is positioned above line 6, indicating a potential code analysis or refactoring suggestion. The 'Favorites' sidebar is visible on the left, and the 'Event Log' is at the bottom right.

Method Summary	
All Methods	Static Methods
Modifier and Type	Method and Description
static void	arraycopy(Object src, int srcPos, Object dest, int destPos, int length) Copies an array from the specified source array, beginning at the specified position, to the specified position of the destination array.
static String	clearProperty(String key) Removes the system property indicated by the specified key.
static Console	console() Returns the unique <code>Console</code> object associated with the current Java virtual machine, if any.
static long	currentTimeMillis() Returns the current time in milliseconds.
static void	exit(int status) Terminates the currently running Java Virtual Machine.
static void	gc() Runs the garbage collector.
static Map<String, String>	getenv() Returns an unmodifiable string map view of the current system environment.
static String	getenv(String name) Gets the value of the specified environment variable.
static Properties	getProperties() Determines the current system properties.
static String	getProperty(String key) Gets the system property indicated by the specified key.

String (Java Platform SE 8) x David - x

docs.oracle.com/javase/8/docs/api/java/lang/String.html

Java Platform Standard Edition 8 Java SE - Download... Other bookmarks

OVERVIEW PACKAGE CLASS USE TREE DEPRECATED INDEX HELP Java™ Platform Standard Ed. 8

PREV CLASS NEXT CLASS FRAMES NO FRAMES ALL CLASSES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

compact1, compact2, compact3

java.lang

Class String

java.lang.Object

java.lang.String

All Implemented Interfaces:

Serializable, CharSequence, Comparable<String>

```
public final class String
extends Object
implements Serializable, Comparable<String>, CharSequence
```

The String class represents character strings. All string literals in Java programs, such as "abc", are implemented as instances of this class.

Strings are constant; their values cannot be changed after they are created. String buffers support mutable strings. Because String objects are immutable they can be shared. For example:

```
String str = "abc";
```

is equivalent to:

```
char data[] = {'a', 'b', 'c'};
String str = new String(data);
```

Here are some more examples of how strings can be used:

```
System.out.println("abc");
```


Primitive Data Types

What is a primitive data type?

What is a primitive data type?

- Numbers, characters, and booleans
- Stored in fastest available memory
- Primitive data type names are all lowercase

What is a primitive data type?

- Numbers, characters, and booleans
- Stored in fastest available memory
- Primitive data type names are all lowercase
- Not a primitive: String!

Declaring Primitive Variables

- Java is a statically typed language.

Declaring Primitive Variables

- Java is a statically typed language.
- All variables must have their types declared.

```
int myVar = 5;
```



Data type

Declaring Primitive Variables

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```
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Data type

Declaring Primitive Variables

- Java is a statically typed language.
- All variables must have their types declared.

The diagram illustrates the structure of a Java variable declaration. It shows the declaration `int myVar = 5;` with annotations: 'Identifier' points to the variable name `myVar`, and 'Data type' points to the type specifier `int`.

```
graph TD; Identifier[Identifier] --> myVar[int myVar = 5]; Data_type[Data type] --> int[int]
```

```
int myVar = 5;
```

Declaring Primitive Variables

- Java is a statically typed language.
- All variables must have their types declared.

The diagram illustrates the structure of a Java variable declaration. It shows the declaration `int myVar = 5;` with annotations: 'Identifier' points to the variable name `myVar`, and 'Data type' points to the type specifier `int`.

```
graph TD; Identifier[Identifier] --> myVar[int myVar = 5]; Data_type[Data type] --> int[int]
```

```
int myVar = 5;
```

Declaring Primitive Variables

- Java is a statically typed language.
- All variables must have their types declared.

```
Identifier  
↓  
int myVar = 5;  
↑          ↑  
Data type  Value
```

Declaring Primitive Variables

- Java is a statically typed language.
- All variables must have their types declared.

```
Identifier  
↓  
int myVar = 5;  
↑          ↑  
Data type  Value
```

Numeric Primitive Data Types

Data Type	Bits	Minimum	Maximum
byte	8	-128	127

Numeric Primitive Data Types

Data Type	Bits	Minimum	Maximum
byte	8	-128	127
short	16	-32,768	32,767

Numeric Primitive Data Types

Data Type	Bits	Minimum	Maximum
byte	8	-128	127
short	16	-32,768	32,767
int	32	-2,147,483,648	2,147,483,647
long	64	-9.22337E+18	9.22337E+18

Numeric Primitive Data Types

Data Type	Bits	Minimum	Maximum
byte	8	-128	127
short	16	-32,768	32,767
int	32	-2,147,483,648	2,147,483,647
long	64	-9.22337E+18	9.22337E+18
float	32	See the docs	
double	64	See the docs	

Numeric Primitive Data Types

Data Type	Bits	Minimum	Maximum
byte	8	-128	127
short	16	-32,768	32,767
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double	64	See the docs	

Equivalent Helper Classes

- Java class library includes helper classes for each primitive.
- Helper classes support conversion and formatting tools.

Equivalent Helper Classes

- Java class library includes helper classes for each primitive.
- Helper classes support conversion and formatting tools.

Data Type	Helper Class
byte	Byte

Equivalent Helper Classes

- Java class library includes helper classes for each primitive.
- Helper classes support conversion and formatting tools.

Data Type	Helper Class
byte	Byte
short	Short
int	Integer
long	Long
float	Float

Helper Class Example

- `java.lang.Double` supports double values.

Helper Class Example

- `java.lang.Double` supports double values.

Helper Class Example

- `java.lang.Double` supports double values.

```
double doubleValue = 156.5d;
```

Helper Class Example

- `java.lang.Double` supports double values.

```
double doubleValue = 156.5d;
```

Helper Class Example

- `java.lang.Double` supports double values.

```
double doubleValue = 156.5d;  
Double doubleObj = new Double(doubleValue);
```

Helper Class Example

- `java.lang.Double` supports double values.

```
double doubleValue = 156.5d;  
Double doubleObj = new Double(doubleValue);  
byte byteValue = doubleObj.byteValue();
```

Helper Class Example

- `java.lang.Double` supports double values.

```
double doubleValue = 156.5d;  
Double doubleObj = new Double(doubleValue);  
byte byteValue = doubleObj.byteValue();  
int intValue = doubleObj.intValue();  
float floatValue = doubleObj.floatValue();  
String stringValue = doubleObj.toString();
```

Primitive Numeric Defaults

- Primitive numeric variables default to 0.

```
int myInt;  
System.out.println("The value of myInt is " + myInt);
```

Primitive Numeric Defaults

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int myInt;  
System.out.println("The value of myInt is " + myInt);
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The value of myInt is 0

Primitive Numeric Defaults

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```

The value of myInt is 0

PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

1: Project Packages PrimitiveNumbers com.example.java Main MaxValues Libraries

2: Favorites

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         }
8
9     }
10
```

Maven Projects Ant Build

Terminal Messages Run TODO Event Log

Compilation completed successfully in 679ms (23 minutes ago)

1:1 LF windows-1252

PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

1: Project Packages PrimitiveNumbers com.example.java Main MaxValues Libraries

2: Favorites

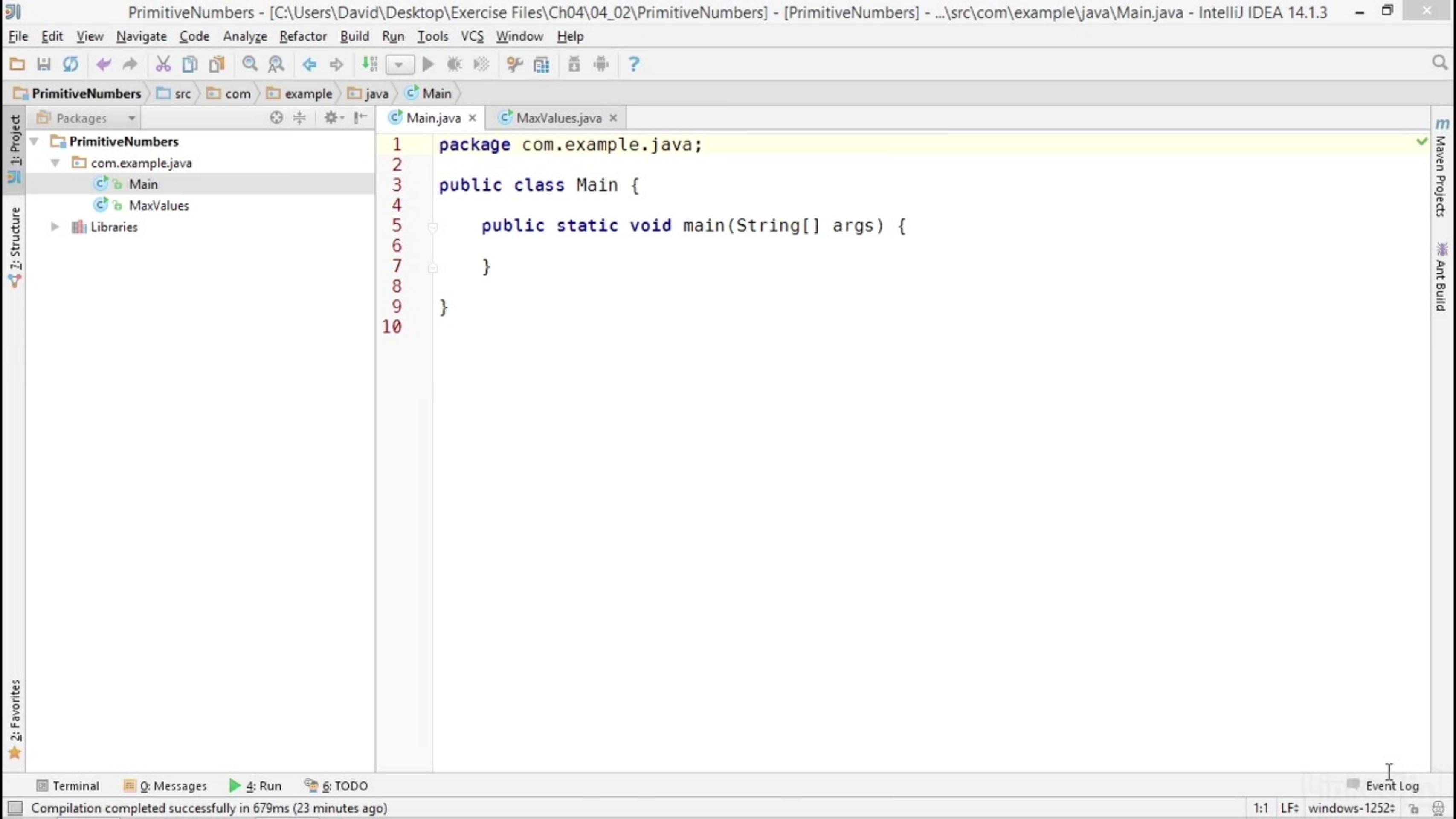
```
1 package com.example.java;
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9     }
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```

Maven Projects Ant Build

Terminal Messages Run TODO Event Log

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PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

1: Project Packages PrimitiveNumbers com.example.java Main MaxValues Libraries

1 package com.example.java;
2
3 public class Main {
4
5 public static void main(String[] args) {
6
7 }
8
9 }
10

Exercise Files > Ch04 > 04_02 > PrimitiveNumbers

2 F

Terminal Messages Run TODO

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LinkedIn Event Log

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PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

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PrimitiveNumbers src com example java Main

Project: 1: PrimitiveNumbers

Structure: 2: Favorites

1: Packages

1: PrimitiveNumbers

2: com.example.java

3: Main

4: MaxValues

5: Libraries

1: Main.java x 2: MaxValues.java x

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         |
8
9     }
10
11 }
12
```

Maven Projects

Ant Build

Terminal Messages Run TODO

Compilation completed successfully in 679ms (24 minutes ago)

7:9 LF windows-1252

LinkedIn Event Log

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

Project: 1: PrimitiveNumbers

Structure: 2: Favorites

1: Packages

1: PrimitiveNumbers

2: com.example.java

3: Main

4: MaxValues

5: Libraries

1: Main.java x 2: MaxValues.java x

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         |
8
9     }
10
11 }
12
```

Maven Projects

Ant Build

Terminal Messages Run TODO

Compilation completed successfully in 679ms (24 minutes ago)

7:9 LF windows-1252

PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

1: Project 1: Structure 2: Favorites

1 package com.example.java;
2
3 public class Main {
4
5 public static void main(String[] args) {
6
7 byte b = 1;
8 short sh = 1;
9 int|
10 }
11 }
12 }
13 }
14 }

Maven Projects Ant Build

Terminal Messages Run TODO

LinkedIn Event Log

Unexpected token 9:12 LF windows-1252

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         byte b = 1;
8         short sh = 1;
9         int|  
10    }  
11    }  
12    }  
13    }  
14    }
```

PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

1: Project 2: Favorites

1: Packages 2: Maven Projects 3: Ant Build

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         byte b = 1;
8         short sh = 1;
9         int i = 1;
10        long l = 1;
11    }
12
13
14 }
15
```

Terminal Messages Run TODO

Compilation completed successfully in 679ms (25 minutes ago)

10:20 LF windows-1252

LinkedIn Event Log

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File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

1: Project 2: Favorites

1: Packages 2: Maven Projects 3: Ant Build

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         byte b = 1;
8         short sh = 1;
9         int i = 1;
10        long l = 1;
11    }
12
13
14 }
15
```

Terminal Messages Run TODO

Compilation completed successfully in 679ms (25 minutes ago)

10:20 LF windows-1252

LinkedIn Event Log

PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

PrimitiveNumbers src com example java Main

1: Project Packages PrimitiveNumbers com.example.java Main MaxValues Libraries

2: Favorites

Main.java x MaxValues.java x

1 package com.example.java;
2
3 public class Main {
4
5 public static void main(String[] args) {
6
7 byte b = 1;
8 short sh = 1;
9 int i = 1;
10 long l = 1L;
11 }
12
13 }
14
15 }

Maven Projects Ant Build

Terminal Messages Run TODO

Compilation completed successfully in 679ms (25 minutes ago)

10:20 LF windows-1252 LinkedIn Event Log

PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

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PrimitiveNumbers src com example java Main

1: Project 1: Packages PrimitiveNumbers com.example.java Main MaxValues Libraries

2: Favorites

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         byte b = 1;
8         short sh = 1;
9         int i = 1;
10        long l = 1L;
11
12        float f = 1f;
13
14    }
15
16}
17
18}
```

Maven Projects Ant Build

Terminal Messages Run TODO

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PrimitiveNumbers - [C:\Users\David\Desktop\Exercise Files\Ch04\04_02\PrimitiveNumbers] - [PrimitiveNumbers] - ...\\src\\com\\example\\java\\Main.java - IntelliJ IDEA 14.1.3

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PrimitiveNumbers src com example java Main

Project Structure

1: Packages

1: PrimitiveNumbers

2: com.example.java

3: Main

4: MaxValues

5: Libraries

1: Structure

2: Favorites

Main.java x MaxValues.java x

```
1 package com.example.java;
2
3 public class Main {
4
5     public static void main(String[] args) {
6
7         byte b = 1;
8         short sh = 1;
9         int i = 1;
10        long l = 1L;
11
12        float f = 1f;
13        double d = 1d;
14
15        |
16
17    }
18
19 }
20
```

Maven Projects

Ant Build

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Event Log

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